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(FILE 'HOME' ENTERED AT 12:54:17 ON 16 AUG 2005)

FILE 'REGISTRY' ENTERED AT 12:54:46 ON 16 AUG 2005

L1 2622 SEA ABB=ON PLU=ON [WFYLIMVA].[VWFYLIMA][LWFIYIMVA]C[WFYLIMVA].  
[WFYLIMVA]..C.[RKLWHMI]/SQSP

FILE 'HCAPLUS' ENTERED AT 12:59:42 ON 16 AUG 2005

L2 1066 SEA ABB=ON PLU=ON L1  
E DENNIS M/AU  
L3 34 SEA ABB=ON PLU=ON ("DENNIS M"/AU OR "DENNIS M S"/AU)  
E DENNIS MARK/AU  
L4 41 SEA ABB=ON PLU=ON ("DENNIS MARK"/AU OR "DENNIS MARK S"/AU)  
E DENNIS MARC/AU  
L6 3 SEA ABB=ON PLU=ON L2 AND (L3 OR L4)  
E GENENTECH/CS, PA  
L7 3820 SEA ABB=ON PLU=ON GENENTEC?/CS, PA  
L8 19 SEA ABB=ON PLU=ON L2 AND L7  
L9 19 SEA ABB=ON PLU=ON (L6 OR L8)  
L10 1047 SEA ABB=ON PLU=ON L2 NOT L9  
L11 QUE ABB=ON PLU=ON PY<=2000 OR AY<=2000 OR PRY<=2000 OR  
PRD<20000804 OR AD<20000804 OR PD<20000804  
L12 522 SEA ABB=ON PLU=ON L10 AND L11

FILE 'HCAOLD' ENTERED AT 13:37:15 ON 16 AUG 2005

L13 0 SEA ABB=ON PLU=ON L1

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L9 ANSWER 1 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2005:203433 HCAPLUS  
DN 142:259993  
ED Entered STN: 08 Mar 2005  
TI Gene expression profile in activated CD4-positive T cells useful for the  
diagnosis and treatment of immune-related diseases  
IN Abbas, Alexander; Clark, Hilary; Ouyang, Wenjun; Williams, Mickey P.;  
Wood, William I.; Wu, Thomas D.  
PA Genentech, Inc., USA  
SO PCT Int. Appl., 158 pp.  
CODEN: PIXXD2

Search done by Noble Jarrell

DT Patent  
 LA English  
 IC C07K014-47  
 CC 15-8 (Immunochemistry)  
 Section cross-reference(s): 1, 3, 6

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005016962	A2	20050224	WO 2004-XA26249	20040811
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	WO 2005016962	A2	20050224	WO 2004-US26249	20040811
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2003-493546P	P	20030811		
	WO 2004-US26249	A	20040811		

# CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005016962	IC	C07K014-47
WO 2005016962	ECLA	C07K014/47

AB The present invention relates to composition containing novel proteins and method of using those compns. for the diagnosis and treatment of immune-related diseases. Microarray anal. of human CD4-pos. T-cells activated with an anti-CD23 and anti-CD28 antibodies together with specific cytokines provides 3232 genes that are differentially expressed in comparison to resting CD4-pos. T-cells. [This abstract record is one of two records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST immune disease diagnosis therapy gene expression profile; CD4 T cell activation gene expression profile; sequence protein cDNA T cell activation

IT Nervous system, disease  
 (Guillain-Barre syndrome; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT Immunoglobulin receptors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (IgE type II, T-cells activated by antibodies to; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT Animal cell line  
 (SF9, protein production in recombinant; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT Cell activation  
 (T cell; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

- IT Cytokines  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(T-cells activated by anti-CD23/CD28 antibodies and; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT CD28 (antigen)  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(T-cells activated by antibodies to; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
(Whipple's; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT T cell (lymphocyte)  
(activation; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
Inflammation  
Nose, disease  
(allergic rhinitis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(atopic; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Anemia (disease)  
Autoimmune disease  
(autoimmune hemolytic anemia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(autoimmune or immune-mediated; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Autoimmune disease  
(autoimmune thrombocytopenia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis  
(autoimmune; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(bullous; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(central, demyelination; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(contact; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation  
(disease associated with; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Platelet (blood)  
(disease, autoimmune thrombocytopenia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Immunity  
(disorder; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
(eosinophilia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease

- (fibrosis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
 RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (fusion products; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
 Allergy inhibitors  
 Antiarthritics  
 Antiasthmatics  
 Antidiabetic agents  
 Antirheumatic agents  
 Asthma  
 Biliary tract, disease  
 CD4-positive T cell  
 Celiac disease  
 DNA microarray technology  
 Diabetes mellitus  
 Drug screening  
 Food allergy  
 Human  
 Immunomodulators  
 Molecular cloning  
 Myositis  
 Nervous system agents  
 Osteoarthritis  
 Protein sequences  
 Psoriasis  
 Rheumatoid arthritis  
 Sarcoidosis  
 Sjogren's syndrome  
 Transplant rejection  
 Urticaria  
 Vaccines  
 cDNA sequences  
 (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Fusion proteins (chimeric proteins)  
 RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antisense nucleic acids  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation  
 (graft-vs.-host reaction; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis  
 (granulomatous; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (humanized; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
 Inflammation

- Lung, disease  
(hypersensitivity pneumonitis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Kidney, disease  
(immune-mediated; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
(immunol.; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
(inflammatory; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Rheumatoid arthritis  
(juvenile; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Animal cell  
(mammalian, protein production in recombinant; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Gene expression profiles, animal  
(microarrays; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Diagnosis  
(mol.; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(monoclonal; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Erythema  
(multiforme; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(peripheral, demyelination; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nerve, disease  
(polyneuropathy, idiopathic demyelinating; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Biliary tract, disease  
(primary biliary cirrhosis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Proteins  
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(proteins; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Escherichia coli  
Yeast  
(protein production in recombinant; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Fibrosis  
(pulmonary; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Connective tissue, disease  
(scleroderma; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Biliary tract, disease  
Inflammation  
(sclerosing cholangitis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related

diseases)

IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (single chain; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)

IT Spinal column, disease  
 (spondyloarthropathy; gene expression profile in activated CD4-pos. T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT Lupus erythematosus  
 (systemic; gene expression profile in activated CD4-pos. T cells useful  
 for the diagnosis and treatment of immune-related diseases)

IT Epitopes  
 (tags, fusion products; gene expression profile in activated CD4-pos. T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT Inflammation  
 Thyroid gland, disease  
 (thyroiditis; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)

IT Blood vessel, disease  
 Inflammation  
 (vasculitis; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)

IT Infection  
 (viral hepatitis; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)

IT Hepatitis  
 (viral; gene expression profile in activated CD4-pos. T cells useful  
 for the diagnosis and treatment of immune-related diseases)

IT 171404-63-0 183147-76-4 183389-40-4 185767-32-2 189086-91-7  
 189202-22-0 191878-89-4 191879-22-8 191879-47-7, Protein Diff48  
 (human clone HJ0015) 196005-19-3 199129-33-4, Phosphoprotein c5fw  
 (human clone GS3955) 200735-24-6 200761-73-5 204463-60-5  
 206368-69-6 210044-71-6 210350-33-7 210350-37-1 216154-44-8,  
 KIAA0796 protein (human gene KIAA0796) 217638-82-9 222963-44-2  
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 253423-98-2 253424-01-0 253655-94-6 253656-09-6 268198-26-1  
 268198-27-2 268535-60-0 276707-62-1 291592-22-8 295808-53-6  
 301804-23-9 312344-27-7 313285-77-7 315251-93-5 324082-10-2  
 324082-71-5 324082-94-2 325868-77-7 326623-42-1 334864-79-8  
 353527-29-4 353527-32-9 358405-58-0 365288-37-5, Protein (human  
 clone 22284 gene TM6SF1) 385849-22-9, Protein (human KG-1 cell gene  
 KIAA0062) 385849-41-2 385849-59-2 385849-76-3 385849-88-7,  
 Cyclophilin (human gene CyP3 isoform 3) 389149-85-3 391279-47-3  
 391961-22-1 391961-41-4 391962-36-0, TB3-1 (human) 391962-70-2  
 391962-81-5 391963-58-9, Immunophilin (human) 391964-12-8, Protein  
 (human gene CSF1) 391964-55-9, Protein (human 180-amino acid)  
 391965-57-4 391966-13-5 391966-27-1 391967-70-7 391967-79-6  
 391968-25-5, Ras protein (human gene K-ras) 391969-43-0, Importin beta  
 subunit (human) 391970-68-6 391971-57-6, Transcription factor DEC1  
 (human) 391972-38-6 391973-38-9, Protein (human 91-amino acid)  
 391974-42-8, MT-11 protein (human clone pBlue-MT-11) 391975-80-7,  
 P58/GTA protein kinase (human) 392755-34-9 400705-33-1, Viperin (human  
 macrophage gene cig5) 402908-82-1 403787-78-0, Protein PRO2577 (human  
 clone FLB9533) 403788-59-0 405134-57-8 431542-73-3, 'Human  
 alpha-catenin' (human) 431954-28-8 443696-83-1 444622-90-6,  
 Carboxypeptidase M (human) 444952-58-3 444952-59-4 444952-62-9  
 444952-63-0 444952-64-1 444953-85-9 444968-21-2, NSAP1 protein  
 (human gene NSAP1) 445047-06-3 450419-45-1 459498-86-3, GenBank  
 AAC51161 459509-52-5 459511-79-6, Protein (human 760-amino acid)  
 459513-68-9, Protein (human gene LYN) 459520-61-7 459532-06-0, GenBank  
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 GenBank CAA73698 459596-93-1, GenBank AAB62401 459598-86-8  
 459602-02-9, GenBank AAC98480 459620-56-5, GenBank AAC52040

459628-32-1, GenBank AAC23982 459631-86-8, Transmembrane protein (human gene THW) 459644-04-3 459645-05-7 459685-32-6, GenBank CAB66845 459689-02-2 459702-97-7, GenBank AAD52651 459708-60-2 459720-36-6, GenBank AAB92368 459721-87-0, GenBank AAF29140 459724-98-2, GenBank CAB66853 459725-86-1, GenBank CAB66817 459726-39-7 462228-61-1, Cyclin G2 (human) 462235-62-7, Protein (human 455-amino acid) 462258-03-3 462333-54-6 473381-89-4 473526-45-3 474606-49-0 475132-83-3 475132-90-2, HLA-E (human heavy chain) 475229-13-1, Protein Id-2H (human TIG-3 cell) 477273-40-8 477273-90-8 479330-03-5, ORF (human cell line KG-1 gene KIAA0035) 479330-16-0 479331-46-9, Kinase (human cell line YT2C2 gene TTK) 479798-72-6 479799-01-4 479799-25-2 479799-61-6 479851-15-5 479851-82-6 479852-90-9 479853-40-2 479866-33-6 479866-49-4 479870-76-3 479871-10-8, Annexin II receptor (human) 479873-30-8 479882-67-2 479886-71-0 479888-84-1 479889-98-0 479890-45-4 479895-32-4 479895-60-8 479896-47-4 479897-44-4 479902-97-1 479913-52-5 479916-35-3 479921-33-0 479921-41-0, Protein (human 955-amino acid) 479926-72-2 479930-64-8 479933-55-6 479934-72-0 479941-06-5 479942-59-1 479949-22-9 479950-68-0 479950-96-4 479957-06-7 479960-16-2 479967-19-6, Protein (human clone 1r20 gene 1r20) 479976-53-9 479985-98-3 479988-39-1 480002-57-1, HGTD-P (human gene HGTD-P) 480064-13-9 480070-96-0, CTLA4 (human gene CTLA4) 480074-59-7 480076-31-1 480076-47-9 480077-21-2 480078-49-7 480078-62-4 480086-26-8 480095-70-3 480096-21-7 480096-37-5 480099-30-7 480103-52-4 480108-02-9 480110-95-0, Protein WSL-1R (human gene wsl-1) 480110-96-1, Protein WSL-S1 (human gene wsl-1) 480110-97-2, Protein WSL-S2 (human gene wsl-1) 480117-04-2, Lipase (human) 480121-95-7 480122-61-0 480124-27-4, Protein (human 508-amino acid) 480124-90-1 480125-06-2, SnRNP B' protein (human gene snRNP B') 480127-86-4 480128-41-4 480129-65-5 480136-06-9 480136-36-5 480149-75-5, NPD011 (human gene NPD011) 480150-03-6, DC29 (human) 480150-35-4, DC43 (human) 480150-36-5, DC42 (human) 480162-19-4, PNAS-145 (human) 480534-88-1 480540-84-9 480542-68-5, Dyskerin (human gene DKC1) 480545-61-7 480553-66-0 480555-70-2 480556-19-2 480565-88-6 480576-43-0 480578-35-6, Adrenal gland protein AD-004 (human) 480584-94-9, Hqp0376 protein (human clone HQ0376) 480595-45-7 480595-78-6 480596-78-9, Golgin-67 (human gene GOLGA5) 480602-57-1, EMT (human gene EMT) 480603-55-2 480628-18-0, Protein (human gene a-myb) 480628-21-5 480632-36-8

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT 480645-08-7 480653-89-2, Galectin-8 (human gene gal-8) 480656-43-7 480657-64-5, Protein (human gene CATX-11) 480663-18-1 480667-92-3, Protein (human 732-amino acid) 480677-10-9 480678-60-2 480679-29-6 480681-14-9 480684-04-6 480684-92-2, Protein (human gene NPYRL) 480686-11-1 480686-59-7 480687-13-6 480689-11-0 480689-81-4 480691-45-0 480691-62-1 480708-60-9 480720-96-5 480722-07-4, Pellino 1 (human gene PELI1) 480723-58-8 480732-42-1 480732-56-7 480732-83-0 480738-52-1 480740-11-2 480741-83-1 480747-17-9 480748-74-1 480750-49-0 480753-35-3 480754-88-9 480758-45-0 480763-04-0 480766-96-9, E2F2 protein (human clone IMAGE:3351479) 480779-60-0 480781-49-5 480784-30-3 480785-92-0 480788-04-3 480793-73-5 480802-52-6 480907-19-5 480908-73-4, Thymopoietin gamma (human) 480917-92-8, 1C7 precursor (human) 480919-30-0, CAGH16 (human gene CAGH16) 480920-73-8, Protein IT12 (human) 480928-16-3 480930-61-8 480940-98-5 480942-47-0 480943-18-8 480945-45-7 480958-25-6, PHP (human) 480958-50-7 480958-53-0 480959-80-6 480962-13-8 480962-24-1 480966-17-4 480967-49-5 480968-24-9 480969-89-9 480971-98-0 480972-36-9 480974-46-7 480974-90-1 480975-17-5 480975-93-7 480976-10-1 480977-71-7 481122-34-3 481126-80-1 481128-46-5, GTP-binding protein NGB (human) 481134-96-7 481137-49-9 481138-25-4 481138-47-0 481139-34-8, Interleukin 2 (human gene IL2) 481139-37-1 481139-51-9,

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RN 480677-10-9 HCAPLUS

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 AN 2005:203431 HCAPLUS  
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 TI Gene expression profile in activated CD4-positive T cells useful for the  
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 IN Abbas, Alexander; Clark, Hilary; Ouyang, Wenjun; Williams, Mickey P.;  
 Wood, William I.; Wu, Thomas D.  
 PA Genentech, Inc., USA  
 SO PCT Int. Appl., 158 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC C07K014-47  
 CC 15-8 (Immunochemistry)  
 Section cross-reference(s): 1, 3, 6

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2005019258	A2	20050303	WO 2004-XA25788	20040810	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	WO 2005019258	A2	20050303	WO 2004-US25788	20040810	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
PRAI	US 2003-493546P	P	20030811			
	WO 2004-US25788	A	20040810			

# CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005019258	IC	C07K014-47
WO 2005019258	ECLA	C07K014/47

AB The present invention relates to composition containing novel proteins and method of using those compns. for the diagnosis and treatment of immune-related diseases. Microarray anal. of human CD4-pos. T-cells activated with an anti-CD23 and anti-CD28 antibodies together with specific cytokines provides 3232 genes that are differentially expressed in comparison to resting CD4-pos. T-cells. [This abstract record is one of two records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST immune disease diagnosis therapy gene expression profile; CD4 T cell activation gene expression profile; sequence protein cDNA T cell activation

IT Nervous system, disease  
 (Guillain-Barre syndrome; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT Immunoglobulin receptors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (IgE type II, T-cells activated by antibodies to; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and

- treatment of immune-related diseases)
- IT Animal cell line  
(SF9, protein production in recombinant; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Cell activation  
(T cell; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Cytokines  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(T-cells activated by anti-CD23/CD28 antibodies and; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT CD28 (antigen)  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(T-cells activated by antibodies to; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
(Whipple's; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT T cell (lymphocyte)  
(activation; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
Inflammation  
Nose, disease  
(allergic rhinitis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(atopic; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Anemia (disease)  
Autoimmune disease  
(autoimmune hemolytic anemia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(autoimmune or immune-mediated; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Autoimmune disease  
(autoimmune thrombocytopenia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis  
(autoimmune; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(bullous; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(central, demyelination; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(contact; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation  
(disease associated with; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Platelet (blood)  
(disease, autoimmune thrombocytopenia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of

- immune-related diseases)
- IT Immunity
  - (disorder; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease
  - (eosinophilia; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease
  - (fibrosis; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
  - RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
  - (fusion products; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy
  - Allergy inhibitors
  - Antiarthritics
  - Antiasthmatics
  - Antidiabetic agents
  - Antirheumatic agents
  - Asthma
  - Biliary tract, disease
  - CD4-positive T cell
  - Celiac disease
  - DNA microarray technology
  - Diabetes mellitus
  - Drug screening
  - Food allergy
  - Human
  - Immunomodulators
  - Molecular cloning
  - Myositis
  - Nervous system agents
  - Osteoarthritis
  - Protein sequences
  - Psoriasis
  - Rheumatoid arthritis
  - Sarcoidosis
  - Sjogren's syndrome
  - Transplant rejection
  - Urticaria
  - Vaccines
  - cDNA sequences
    - (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Fusion proteins (chimeric proteins)
  - RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
  - (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
  - RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antisense nucleic acids
  - RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation
  - (graft-vs.-host reaction; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis
  - (granulomatous; gene expression profile in activated CD4-pos. T cells

- useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (humanized; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
 Inflammation  
 Lung, disease  
 (hypersensitivity pneumonitis; gene expression profile in activated  
 CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Kidney, disease  
 (immune-mediated; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
 (immunol.; gene expression profile in activated CD4-pos. T cells useful  
 for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
 (inflammatory; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Rheumatoid arthritis  
 (juvenile; gene expression profile in activated CD4-pos. T cells useful  
 for the diagnosis and treatment of immune-related diseases)
- IT Animal cell  
 (mammalian, protein production in recombinant; gene expression profile in  
 activated CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Gene expression profiles, animal  
 (microarrays; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Diagnosis  
 (mol.; gene expression profile in activated CD4-pos. T cells useful for  
 the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (monoclonal; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Erythema  
 (multiforme; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
 (peripheral, demyelination; gene expression profile in activated  
 CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Nerve, disease  
 (polyneuropathy, idiopathic demyelinating; gene expression profile in  
 activated CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Biliary tract, disease  
 (primary biliary cirrhosis; gene expression profile in activated  
 CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Proteins  
 RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (proteins; gene expression profile in activated CD4-pos. T cells  
 useful for the diagnosis and treatment of immune-related diseases)
- IT Escherichia coli  
 Yeast  
 (protein production in recombinant; gene expression profile in activated  
 CD4-pos. T cells useful for the diagnosis and treatment of  
 immune-related diseases)
- IT Fibrosis  
 (pulmonary; gene expression profile in activated CD4-pos. T cells

useful for the diagnosis and treatment of immune-related diseases)

IT Connective tissue, disease  
(scleroderma; gene expression profile in activated CD4-pos. T cells  
useful for the diagnosis and treatment of immune-related diseases)

IT Biliary tract, disease  
Inflammation  
(sclerosing cholangitis; gene expression profile in activated CD4-pos.  
T cells useful for the diagnosis and treatment of immune-related  
diseases)

IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)  
(single chain; gene expression profile in activated CD4-pos. T cells  
useful for the diagnosis and treatment of immune-related diseases)

IT Spinal column, disease  
(spondyloarthropathy; gene expression profile in activated CD4-pos. T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT Lupus erythematosus  
(systemic; gene expression profile in activated CD4-pos. T cells useful  
for the diagnosis and treatment of immune-related diseases)

IT Epitopes  
(tags, fusion products; gene expression profile in activated CD4-pos. T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT Inflammation  
Thyroid gland, disease  
(thyroiditis; gene expression profile in activated CD4-pos. T cells  
useful for the diagnosis and treatment of immune-related diseases)

IT Blood vessel, disease  
Inflammation  
(vasculitis; gene expression profile in activated CD4-pos. T cells  
useful for the diagnosis and treatment of immune-related diseases)

IT Infection  
(viral hepatitis; gene expression profile in activated CD4-pos. T cells  
useful for the diagnosis and treatment of immune-related diseases)

IT Hepatitis  
(viral; gene expression profile in activated CD4-pos. T cells useful  
for the diagnosis and treatment of immune-related diseases)

IT 171404-63-0 183147-76-4 183389-40-4 185767-32-2 189086-91-7  
189202-22-0 191878-89-4 191879-22-8 191879-47-7, Protein Diff48  
(human clone HJ0015) 196005-19-3 199129-33-4, Phosphoprotein c5fw  
(human clone GS3955) 200735-24-6 200761-73-5 204463-60-5  
206368-69-6 210044-71-6 210350-33-7 210350-37-1 216154-44-8,  
KIAA0796 protein (human gene KIAA0796) 217638-82-9 222963-44-2  
222963-51-1 223661-28-7 226890-33-1 244205-26-3 244205-46-7  
253423-98-2 253424-01-0 253655-94-6 253656-09-6 268198-26-1  
268198-27-2 268535-60-0 276707-62-1 291592-22-8 295808-53-6  
301804-23-9 312344-27-7 313285-77-7 315251-93-5 324082-10-2  
324082-71-5 324082-94-2 325868-77-7 326623-42-1 334864-79-8  
353527-29-4 353527-32-9 358405-58-0 365288-37-5, Protein (human  
clone 22284 gene TM6SF1) 385849-22-9, Protein (human KG-1 cell gene  
KIAA0062) 385849-41-2 385849-59-2 385849-76-3 385849-88-7,  
Cyclophilin (human gene CyP3 isoform 3) 389149-85-3 391279-47-3  
391961-22-1 391961-41-4 391962-36-0, TB3-1 (human) 391962-70-2  
391962-81-5 391963-58-9, Immunophilin (human) 391964-12-8, Protein  
(human gene CSF1) 391964-55-9, Protein (human 180-amino acid)  
391965-57-4 391966-13-5 391966-27-1 391967-70-7 391967-79-6  
391968-25-5, Ras protein (human gene K-ras) 391969-43-0, Importin beta  
subunit (human) 391970-68-6 391971-57-6, Transcription factor DEC1  
(human) 391972-38-6 391973-38-9, Protein (human 91-amino acid)  
391974-42-8, MT-11 protein (human clone pBlue-MT-11) 391975-80-7,  
P58/GTA protein kinase (human) 392755-34-9 400705-33-1, Viperin (human  
macrophage gene cig5) 402908-82-1 403787-78-0, Protein PRO2577 (human  
clone FLB9533) 403788-59-0 405134-57-8 431542-73-3, 'Human  
alpha-catenin' (human) 431954-28-8 443696-83-1 444622-90-6,

Carboxypeptidase M (human) 444952-58-3 444952-59-4 444952-62-9  
 444952-63-0 444952-64-1 444953-85-9 444968-21-2, NSAP1 protein  
 (human gene NSAP1) 445047-06-3 450419-45-1 459498-86-3, GenBank  
 AAC51161 459509-52-5 459511-79-6, Protein (human 760-amino acid)  
 459513-68-9, Protein (human gene LYN) 459520-61-7 459532-06-0, GenBank  
 AAC37547 459557-27-8 459588-27-3, GenBank AAB53426 459593-58-9,  
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 459602-02-9, GenBank AAC98480 459620-56-5, GenBank AAC52040  
 459628-32-1, GenBank AAC23982 459631-86-8, Transmembrane protein (human  
 gene THW) 459644-04-3 459645-05-7 459685-32-6, GenBank CAB66845  
 459689-02-2 459702-97-7, GenBank AAD52651 459708-60-2 459720-36-6,  
 GenBank AAB92368 459721-87-0, GenBank AAF29140 459724-98-2, GenBank  
 CAB66853 459725-86-1, GenBank CAB66817 459726-39-7 462228-61-1,  
 Cyclin G2 (human) 462235-62-7, Protein (human 455-amino acid)  
 462258-03-3 462333-54-6 473381-89-4 473526-45-3 474606-49-0  
 475132-83-3 475132-90-2, HLA-E (human heavy chain) 475229-13-1,  
 Protein Id-2H (human TIG-3 cell) 477273-40-8 477273-90-8  
 479330-03-5, ORF (human cell line KG-1 gene KIAA0035) 479330-16-0  
 479331-46-9, Kinase (human cell line YT2C2 gene TTK) 479798-72-6  
 479799-01-4 479799-25-2 479799-61-6 479851-15-5 479851-82-6  
 479852-90-9 479853-40-2 479866-33-6 479866-49-4 479870-76-3  
 479871-10-8, Annexin II receptor (human) 479873-30-8 479882-67-2  
 479886-71-0 479888-84-1 479889-98-0 479890-45-4 479895-32-4  
 479895-60-8 479896-47-4 479897-44-4 479902-97-1 479913-52-5  
 479916-35-3 479921-33-0 479921-41-0, Protein (human 955-amino acid)  
 479926-72-2 479930-64-8 479933-55-6 479934-72-0 479941-06-5  
 479942-59-1 479949-22-9 479950-68-0 479950-96-4 479957-06-7  
 479960-16-2 479967-19-6, Protein (human clone 1r20 gene 1r20)  
 479976-53-9 479985-98-3 479988-39-1 480002-57-1, HGTD-P (human gene  
 HGTD-P) 480064-13-9 480070-96-0, CTLA4 (human gene CTLA4)  
 480074-59-7 480076-31-1 480076-47-9 480077-21-2 480078-49-7  
 480078-62-4 480086-26-8 480095-70-3 480096-21-7 480096-37-5  
 480099-30-7 480103-52-4 480108-02-9 480110-95-0, Protein WSL-1R  
 (human gene wsl-1) 480110-96-1, Protein WSL-S1 (human gene wsl-1)  
 480110-97-2, Protein WSL-S2 (human gene wsl-1) 480117-04-2, Lipase  
 (human) 480121-95-7 480122-61-0 480124-27-4, Protein (human  
 508-amino acid) 480124-90-1 480125-06-2, SnRNP B' protein (human gene  
 snRNP B') 480127-86-4 480128-41-4 480129-65-5 480136-06-9  
 480136-36-5 480149-75-5, NPD011 (human gene NPD011) 480150-03-6, DC29  
 (human) 480150-35-4, DC43 (human) 480150-36-5, DC42 (human)  
 480162-19-4, PNAS-145 (human) 480534-88-1 480540-84-9 480542-68-5,  
 Dyskerin (human gene DKC1) 480545-61-7 480553-66-0 480555-70-2  
 480556-19-2 480565-88-6 480576-43-0 480578-35-6, Adrenal gland  
 protein AD-004 (human) 480584-94-9, Hqp0376 protein (human clone HQ0376)  
 480595-45-7 480595-78-6 480596-78-9, Golgin-67 (human gene GOLGA5)  
 480602-57-1, EMT (human gene EMT) 480603-55-2 480628-18-0, Protein  
 (human gene a-myb) 480628-21-5 480632-36-8

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; gene expression profile in activated CD4-pos. T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT 480645-08-7 480653-89-2, Galectin-8 (human gene gal-8) 480656-43-7  
 480657-64-5, Protein (human gene CATX-11) 480663-18-1 480667-92-3,  
 Protein (human 732-amino acid) 480677-10-9 480678-60-2  
 480679-29-6 480681-14-9 480684-04-6 480684-92-2, Protein (human gene  
 NPYRL) 480686-11-1 480686-59-7 480687-13-6 480689-11-0  
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 480722-07-4, Pellino 1 (human gene PELI1) 480723-58-8 480732-42-1  
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 480758-45-0 480763-04-0 480766-96-9, E2F2 protein (human clone  
 IMAGE:3351479) 480779-60-0 480781-49-5 480784-30-3 480785-92-0  
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 Thymopoietin gamma (human) 480917-92-8, 1C7 precursor (human)  
 480919-30-0, CAGH16 (human gene CAGH16) 480920-73-8, Protein IT12

(human) 480928-16-3 480930-61-8 480940-98-5 480942-47-0  
 480943-18-8 480945-45-7 480958-25-6, PHP (human) 480958-50-7  
 480958-53-0 480959-80-6 480962-13-8 480962-24-1 480966-17-4  
 480967-49-5 480968-24-9 480969-89-9 480971-98-0 480972-36-9  
 480974-46-7 480974-90-1 480975-17-5 480975-93-7 480976-10-1  
 480977-71-7 481122-34-3 481126-80-1 481128-46-5, GTP-binding protein  
 NGB (human) 481134-96-7 481137-49-9 481138-25-4 481138-47-0  
 481139-34-8, Interleukin 2 (human gene IL2) 481139-37-1 481139-51-9,  
 Aurora/IPL1-related kinase (human) 481139-73-5 481139-74-6  
 481147-74-4 481148-25-8 481149-81-9 481150-76-9, Protein (human  
 clone H2 43-amino acid) 481150-77-0, Heat shock protein 90 (human clone  
 H2) 481154-17-0 481154-42-1 481155-42-4 481158-08-1 481158-27-4  
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 481161-66-4 481161-89-1 481163-98-8 481164-70-9 481165-21-3  
 481165-78-0 481165-92-8 481166-27-2 481166-41-0 481166-71-6  
 481175-18-2 481197-24-4 481198-80-5, Cathepsin S (human gene cathepsin  
 S) 481207-28-7 481207-58-3 481209-24-9 481210-97-3 481212-85-5  
 481212-90-2 481213-23-4 481217-46-3 481218-00-2 481219-14-1  
 481220-56-8, G protein-coupled receptor (human) 481222-07-5, Epican  
 (human clone lambda 1) 481224-15-1 481228-57-3 481236-47-9, Protein  
 (human 529-amino acid) 481238-65-7 481241-70-7, Protein (human  
 261-amino acid) 481241-75-2, Protein (human 266-amino acid)  
 481241-76-3, Protein (human 254-amino acid) 481242-95-9, Protein (human  
 738-amino acid) 481247-74-9 481247-89-6 481262-20-8 481271-96-9  
 481272-20-2 481275-71-2 481281-18-9, Cell adhesion molecule (human  
 gene CD44) 481283-21-0, Protein (human gene CTSB) 481284-43-9  
 481286-65-1 481290-85-1, Protein (human gene IGH@) 481292-80-2  
 481293-42-9 481293-53-2 481304-87-4, Protein (human gene HLA-DQB1)  
 481312-85-0, Protein (human gene TCRB) 481314-01-6 481315-24-6,  
 Protein (human gene TNFA) 481322-36-5 481326-25-4 481328-38-5  
 481329-40-2 484260-19-7 484261-91-8 484545-89-3 484546-69-2  
 484546-75-0 484598-08-5 484995-05-3, PRO0992 (human clone FLB3847)  
 484995-93-9, PRO0868 (human clone FLB3436) 484996-93-2, PRO1477 (human  
 clone FLB5634) 484997-40-2, PRO1859 (human clone FLB7027) 484998-41-6,  
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 RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; gene expression profile in activated CD4-pos. T  
 cells useful for the diagnosis and treatment of immune-related  
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 RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; gene expression profile in activated CD4-pos. T  
 cells useful for the diagnosis and treatment of immune-related  
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT 484261-90-7 484545-88-2 484546-68-1 484546-74-9 484598-07-4 492987-22-1 493130-96-4 493716-13-5 495711-17-6, DNA (human gene JUN) 496198-67-5 496325-85-0, DNA (human nesprin-2 beta 2 cDNA) 496372-66-8 496378-93-9 496379-02-3 496379-46-5 496379-65-8 496383-95-0 496403-23-7 496417-44-8, DNA (human clone CS0DE004YH22 cDNA) 497723-82-7 497732-43-1 497771-88-7 497774-08-0 497774-96-6 504602-80-6, DNA (human hypothetical protein cDNA) 504896-53-1 845885-69-0, GenBank AB474692 845885-70-3, GenBank AB432171

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

IT 480677-10-9

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; gene expression profile in activated CD4-pos. T cells useful for the diagnosis and treatment of immune-related diseases)

RN 480677-10-9 HCAPLUS

CN Protein (human clone DKFZp564A026 gene DKFZp564A026) (9CI) (CA INDEX NAME)

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151 FQRRALRLPE NTSYSDLTAF LTAASSPSEV DSFPYLRGLD GNGTGNSTRH  
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251 QKLGTLWLKSG LGLVHQEGSQ LTWTYIAPQL GYVVAAMSPP IPGPVVTQDI  
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501 KSRTEKVQPP REANSFPRNI CTPRLHHLRK NSCWTADPLN VMMSRSVDHL  
551 ERPTSFPRPG QLICCSSVDQ VNDSVYRKVL PALVIPAHYM KLPGDHSYVS  
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851 SPHQRRSAHE EEEDDDDDQ GEDKKSPWQK REERPLMAFN IK

L9 ANSWER 3 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:482032 HCAPLUS  
 DN 141:37605  
 ED Entered STN: 16 Jun 2004  
 TI Gene expression profile in activated human CD4+ T cells useful for the  
 diagnosis and treatment of immune-related diseases  
 IN Clark, Hilary; Hunte, Bridsell; Jackman, Janet; Schoenfeld, Jill;  
 Williams, Mickey P.; Wood, William I.; Wu, Thomas D.; Bodary, Sarah  
 PA Genentech, Inc., USA  
 SO PCT Int. Appl., 8598 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC A61K  
 CC 15-8 (Immunochimistry)  
 Section cross-reference(s): 1, 3, 6

FAN.CNT 2

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WO 2004047728	A2	20040610	WO 2003-XA35971	20031124
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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PRAI US 2002-429069P	P	20021126		
WO 2003-US35971	A	20031124		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2004047728	IC	A61K
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AB The present invention relates to compns. containing novel proteins and methods  
 of using those compns. for the diagnosis and treatment of immune-related  
 diseases. Microarray anal. of human CD4+ T-cells activated with an  
 anti-CD3 antibody together with either ICAM-1 or anti-CD28 antibody  
 provides genes that are differentially expressed in comparison to resting  
 CD4+ T-cells. [This abstract record is one of two records for this document  
 necessitated by the large number of index entries required to fully index the  
 document and publication system constraints.]

ST T cell activation gene expression profile; cDNA protein sequence activated  
 T cell human; immune disease diagnosis therapy gene expression profile

IT CD antigens

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (CD54, anti-CD3 antibodies and, T cell activation by; gene expression

- profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Animal cell line  
(CHO, recombinant expression host; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(Guillain-Barre syndrome; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Cell adhesion molecules  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(ICAM-1 (intercellular adhesion mol. 1), anti-CD3 antibodies and, T cell activation by; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT CD28 (antigen)  
CD3 (antigen)  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(T cell activation by antibodies to; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Cell activation  
(T cell; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
(Whipple's; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT T cell (lymphocyte)  
(activation; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
Inflammation  
Nose, disease  
(allergic rhinitis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(anti-CD3 or anti-CD28, T cell activation by; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(atopic; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis  
(autoimmune chronic; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Anemia (disease)  
Autoimmune disease  
(autoimmune hemolytic anemia; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(autoimmune or immune-mediated; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Autoimmune disease  
(autoimmune thrombocytopenia; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Skin, disease  
(bullous; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Epitopes

- (chimeric proteins with; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(chronic inflammatory demyelinating polyneuropathy; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Dermatitis  
(contact; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nerve, disease  
(demyelination; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation  
(disease associated with; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Platelet (blood)  
(disease, autoimmune thrombocytopenia; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Immunity  
(disorder; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
(eosinophilia; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
(fibrosis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(fusion products; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy  
Allergy inhibitors  
Anti-inflammatory agents  
Antiarthritics  
Antiasthmatics  
Antidiabetic agents  
Antirheumatic agents  
Asthma  
Biliary tract, disease  
Biomarkers  
CD4-positive T cell  
Celiac disease  
DNA microarray technology  
Diabetes mellitus  
Drug screening  
Drug targets  
Food allergy  
Gene expression profiles, animal  
Human  
Immunoassay  
Inflammation  
Mammalia  
Molecular cloning  
Nucleic acid hybridization  
Osteoarthritis  
Psoriasis  
Rheumatoid arthritis  
Sarcoidosis  
Sjogren's syndrome  
Transplant rejection

- Urticaria
- Vaccines
  - (gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Proteins
  - RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
  - (gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antisense nucleic acids
  - RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation
  - (graft-vs.-host reaction; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis
  - (granulomatous; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
  - RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (humanized; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy
- Inflammation
- Lung, disease
  - (hypersensitivity pneumonitis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease
  - (idiopathic demyelinating polyneuropathy; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Muscle, disease
  - (idiopathic inflammatory myopathy; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Kidney, disease
  - (immune-mediated; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease
  - (immunol.; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis
  - (infectious; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease
  - (inflammatory; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Rheumatoid arthritis
  - (juvenile; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Diagnosis
  - (mol.; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
  - RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (monoclonal; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)
- IT Erythema
  - (multiforme; gene expression profile in activated human CD4+ T cells

useful for the diagnosis and treatment of immune-related diseases)

IT Biliary tract, disease  
(primary biliary cirrhosis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Fibrosis  
(pulmonary; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Escherichia coli  
Yeast  
(recombinant expression host; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Connective tissue, disease  
(scleroderma; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Biliary tract, disease  
Inflammation  
(sclerosing cholangitis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(single chain; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Spinal column, disease  
(spondyloarthropathy; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Lupus erythematosus  
(systemic; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Inflammation  
Thyroid gland, disease  
(thyroiditis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Blood vessel, disease  
Inflammation  
(vasculitis; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT Fusion proteins (chimeric proteins)  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(with epitope tags or Ig Fc region; gene expression profile in activated human CD4+ T cells useful for the diagnosis and treatment of immune-related diseases)

IT 212757-08-9P 269745-28-0P 330936-69-1P 482366-71-2P 588727-10-0P  
588727-12-2P 588727-16-6P 588727-24-6P 678990-65-3P 678990-87-9P  
678990-88-0P 678990-95-9P 688739-50-6P 688739-51-7P 688739-52-8P  
688739-54-0P 688739-57-3P 688739-61-9P 688739-62-0P 688739-63-1P  
688739-65-3P 688739-66-4P 696586-05-7P 696602-33-2P 696602-47-8P  
700880-02-0P 700880-04-2P 700880-07-5P 700880-09-7P 700880-11-1P  
700880-13-3P 700880-15-5P 700880-17-7P 700880-19-9P 700880-21-3P  
700880-23-5P 700880-25-7P 700880-27-9P 700880-29-1P 700880-31-5P  
700880-33-7P 700880-35-9P 700880-37-1P 700880-39-3P 700880-41-7P  
700880-43-9P 700880-45-1P 700880-47-3P 700880-50-8P 700880-52-0P  
700880-54-2P 700880-56-4P 700880-58-6P 700880-60-0P 700880-62-2P  
700880-64-4P 700880-68-8P 700880-70-2P 700880-73-5P 700880-76-8P  
700880-78-0P 700880-80-4P 700880-82-6P 700880-84-8P 700880-86-0P  
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700881-47-6P	700881-49-8P	700881-51-2P	700881-53-4P	700881-55-6P
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700881-68-1P	700881-70-5P	700881-72-7P	700881-74-9P	700881-76-1P
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700883-71-2P	700883-73-4P	700883-75-6P	700883-77-8P	700883-79-0P
700883-81-4P	700883-83-6P	700883-85-8P	700883-87-0P	700883-89-2P
700883-91-6P	700883-93-8P	700883-95-0P	700883-97-2P	700883-99-4P
700884-01-1P	700884-03-3P	700884-05-5P	700884-06-6P	700884-10-2P
700884-12-4P	700884-14-6P	700884-16-8P	700884-18-0P	700884-20-4P
700884-23-7P	700884-26-0P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	700884-28-2P	700884-30-6P	700884-32-8P	700884-34-0P	700884-36-2P
	700884-38-4P	700884-40-8P	700884-42-0P	700884-45-3P	700884-47-5P
	700884-49-7P	700884-51-1P	700884-53-3P	700884-55-5P	700884-57-7P
	700884-59-9P	700884-61-3P	700884-63-5P	700884-66-8P	700884-69-1P
	700884-71-5P	700884-73-7P	700884-76-0P	700884-78-2P	700884-81-7P
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	700885-22-9P	700885-25-2P	700885-27-4P	700885-30-9P	700885-32-1P
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	700885-56-9P	700885-58-1P	700885-61-6P	700885-63-8P	700885-66-1P
	700885-69-4P	700885-71-8P	700885-73-0P	700885-77-4P	700885-79-6P
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700889-61-8P	700889-64-1P			

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DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
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(amino acid sequence; gene expression profile in activated human CD4+ T  
cells useful for the diagnosis and treatment of immune-related  
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IT	700889-66-3P	700889-68-5P	700889-70-9P	700889-72-1P	700889-77-6P
	700889-79-8P	700889-81-2P	700889-84-5P	700889-86-7P	700889-88-9P
	700889-90-3P	700889-92-5P	700889-95-8P	700889-97-0P	700890-01-3P
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	700890-15-9P	700890-17-1P	700890-19-3P	700890-21-7P	700890-23-9P
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	700890-59-1P	700890-61-5P	700890-63-7P	700890-65-9P	700890-67-1P
	700890-69-3P	700890-71-7P	700890-73-9P	700890-75-1P	700890-77-3P
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	700891-15-2P	700891-18-5P	700891-20-9P	700891-22-1P	700891-24-3P
	700891-26-5P	700891-29-8P	700891-32-3P	700891-34-5P	700891-36-7P
	700891-38-9P	700891-40-3P	700891-42-5P	700891-44-7P	700891-46-9P
	700891-48-1P	700891-50-5P	700891-52-7P	700891-54-9P	700891-56-1P
	700891-60-7P	700891-62-9P	700891-66-3P	700891-68-5P	700891-70-9P
	700891-72-1P	700891-74-3P	700891-76-5P	700891-78-7P	700891-80-1P
	700891-83-4P	700891-85-6P	700891-88-9P	700891-90-3P	700891-92-5P
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	700892-96-2P	700892-99-5P	700893-01-2P	700893-03-4P	700893-05-6P
	700893-07-8P	700893-09-0P	700893-11-4P	700893-14-7P	700893-16-9P
	700893-18-1P	700893-20-5P	700893-22-7P	700893-25-0P	700893-27-2P
	700893-29-4P	700893-31-8P	700893-34-1P	700893-37-4P	700893-39-6P
	700893-42-1P	700893-44-3P	700893-46-5P	700893-49-8P	700893-51-2P
	700893-54-5P	700893-56-7P	700893-58-9P	700893-60-3P	700893-62-5P
	700893-66-9P	700893-68-1P	700893-71-6P	700893-73-8P	700893-75-0P
	700893-77-2P	700893-80-7P	700893-83-0P	700893-85-2P	700893-88-5P
	700893-90-9P	700893-92-1P	700893-95-4P	700893-99-8P	700894-01-5P
	700894-03-7P	700894-05-9P	700894-07-1P	700894-09-3P	700894-11-7P
	700894-13-9P	700894-15-1P	700894-18-4P	700894-20-8P	700894-22-0P
	700894-24-2P	700894-30-0P	700894-33-3P	700894-39-9P	700894-42-4P
	700894-47-9P	700894-50-4P	700894-52-6P	700894-54-8P	700894-56-0P
	700894-58-2P	700894-63-9P	700894-65-1P	700894-72-0P	700894-74-2P
	700894-76-4P	700894-78-6P	700894-80-0P	700894-82-2P	700894-86-6P
	700894-88-8P	700894-90-2P	700894-92-4P	700894-94-6P	700894-96-8P
	700894-98-0P	700895-00-7P	700895-02-9P	700895-04-1P	700895-06-3P

700895-08-5P 700895-10-9P 700895-13-2P 700895-16-5P 700895-18-7P  
700895-21-2P 700895-25-6P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
(Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT	700895-28-9P	700895-30-3P	700895-33-6P	700895-35-8P	700895-37-0P
	700895-39-2P	700895-41-6P	700895-46-1P	700895-50-7P	700895-52-9P
	700895-54-1P	700895-56-3P	700895-60-9P	700895-62-1P	700895-64-3P
	700895-66-5P	700895-68-7P	700895-70-1P	700895-72-3P	700895-74-5P
	700895-77-8P	700895-79-0P	700895-82-5P	700895-85-8P	700895-90-5P
	700895-93-8P	700895-96-1P	700895-98-3P	700896-01-1P	700896-04-4P
	700896-06-6P	700896-08-8P	700896-10-2P	700896-15-7P	700896-17-9P
	700896-20-4P	700896-28-2P	700896-30-6P	700896-33-9P	700896-35-1P
	700896-37-3P	700896-39-5P	700896-42-0P	700896-44-2P	700896-46-4P
	700896-51-1P	700896-53-3P	700896-55-5P	700896-57-7P	700896-62-4P
	700896-64-6P	700896-72-6P	700896-74-8P	700896-76-0P	700896-78-2P
	700896-80-6P	700896-82-8P	700896-84-0P	700896-86-2P	700896-88-4P
	700896-91-9P	700896-93-1P	700896-95-3P	700896-98-6P	700897-00-3P
	700897-02-5P	700897-04-7P	700897-06-9P	700897-08-1P	700897-10-5P
	700897-12-7P	700897-14-9P	700897-17-2P	700897-19-4P	700897-21-8P
	700897-23-0P	700897-25-2P	<b>700897-27-4P</b>	700897-29-6P	
	700897-31-0P	700897-34-3P	700897-36-5P	700897-38-7P	700897-41-2P
	700897-45-6P	700897-49-0P	700897-51-4P	700897-53-6P	700897-55-8P
	700897-57-0P	700897-59-2P	700897-61-6P	700897-63-8P	700897-67-2P
	700897-69-4P	700897-71-8P	700897-73-0P	700897-75-2P	700897-77-4P
	700897-79-6P	700897-81-0P	700897-84-3P	700897-86-5P	700897-88-7P
	700897-90-1P	700897-92-3P	700897-94-5P	700897-97-8P	700898-00-6P
	700898-02-8P	700898-04-0P	700898-06-2P	700898-08-4P	700898-10-8P
	700898-12-0P	700898-15-3P	700898-19-7P	700898-21-1P	700898-23-3P
	700898-26-6P	700898-28-8P	700898-30-2P	700898-32-4P	700898-34-6P
	700898-36-8P	700898-38-0P	700898-40-4P	700898-43-7P	700898-45-9P
	700898-47-1P	700898-49-3P	700898-51-7P	700898-53-9P	700898-55-1P
	700898-57-3P	700898-59-5P	700898-61-9P	700898-63-1P	700898-65-3P
	700898-67-5P	700898-69-7P	700898-71-1P	700898-73-3P	700898-75-5P
	700898-77-7P	700898-79-9P	700898-81-3P	700898-83-5P	700898-85-7P
	700898-87-9P	700898-89-1P	700898-91-5P	700898-93-7P	700898-95-9P
	700898-97-1P	700898-99-3P	700899-01-0P	700899-03-2P	700899-05-4P
	700899-07-6P	700899-09-8P	700899-11-2P	700899-13-4P	700899-15-6P
	700899-17-8P	700899-19-0P	700899-21-4P	700899-23-6P	700899-25-8P
	700899-27-0P	700899-29-2P	700899-32-7P	700899-34-9P	700899-36-1P
	700899-38-3P	700899-40-7P	700899-42-9P	700899-44-1P	700899-46-3P
	700899-48-5P	700899-50-9P	700899-52-1P	700899-54-3P	700899-57-6P
	700899-59-8P	700899-61-2P	700899-63-4P	700899-65-6P	700899-67-8P
	700899-70-3P	700899-72-5P	700899-74-7P	700899-76-9P	700899-78-1P
	700899-80-5P	700899-82-7P	700899-84-9P	700899-86-1P	700899-88-3P
	700899-90-7P	700899-92-9P	700899-95-2P	700899-97-4P	700899-99-6P
	700900-01-2P	700900-04-5P	700900-06-7P	700900-08-9P	700900-10-3P
	700900-12-5P	700900-14-7P	700900-16-9P	700900-18-1P	700900-20-5P
	700900-22-7P	700900-24-9P	700900-26-1P	700900-28-3P	700900-30-7P
	700900-32-9P	700900-34-1P	700900-36-3P	700900-38-5P	700900-40-9P
	700900-42-1P	700900-45-4P	700900-47-6P	700900-49-8P	700900-51-2P
	700900-53-4P	700900-56-7P	700900-59-0P		

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
(Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT	700900-61-4P	700900-63-6P	700900-65-8P	700900-67-0P	700900-71-6P
	700900-73-8P	700900-75-0P	700900-77-2P	700900-79-4P	700900-81-8P
	700900-83-0P	700900-85-2P	700900-87-4P	700900-89-6P	700900-91-0P
	700900-93-2P	700900-95-4P	700900-97-6P	701319-69-9P	701319-72-4P
	701319-74-6P	701319-76-8P	701319-78-0P	701319-80-4P	701319-82-6P

701319-84-8P	701319-86-0P	701319-88-2P	701319-90-6P	701319-92-8P
701319-95-1P	701319-97-3P	701319-99-5P	701320-02-7P	701320-04-9P
701320-06-1P	701320-08-3P	701320-10-7P	701320-12-9P	701320-14-1P
701320-16-3P	701320-18-5P	701320-20-9P	701320-22-1P	701320-24-3P
701320-26-5P	701320-28-7P	701320-30-1P	701320-32-3P	701320-34-5P
701320-37-8P	701320-39-0P	701320-41-4P	701320-43-6P	701320-45-8P
701320-47-0P	701320-49-2P	701320-51-6P	701320-53-8P	701320-55-0P
701320-57-2P	701320-59-4P	701320-61-8P	701320-63-0P	701320-65-2P
701320-68-5P	701320-71-0P	701320-74-3P	701320-76-5P	701320-78-7P
701320-80-1P	701320-82-3P	701320-85-6P	701320-87-8P	701320-89-0P
701320-91-4P	701320-93-6P	701320-95-8P	701320-97-0P	701321-00-8P
701321-02-0P	701321-04-2P	701321-06-4P	701321-08-6P	701321-10-0P
701321-12-2P	701321-14-4P	701321-16-6P	701321-18-8P	701321-20-2P
701321-22-4P	701321-24-6P	701321-26-8P	701321-28-0P	701321-30-4P
701321-32-6P	701321-35-9P	701321-37-1P	701321-39-3P	701321-41-7P
701321-43-9P	701321-45-1P	701321-47-3P	701321-49-5P	701321-51-9P
701321-53-1P	701321-55-3P	701321-57-5P	701321-59-7P	701321-61-1P
701321-63-3P	701321-65-5P	701321-67-7P	701321-69-9P	701321-71-3P
701321-73-5P	701321-76-8P	701321-78-0P	701321-80-4P	701321-82-6P
701321-84-8P	701321-86-0P	701321-88-2P	701321-90-6P	701321-92-8P
701321-94-0P	701321-96-2P	701321-98-4P	701322-00-1P	701322-02-3P
701322-05-6P	701322-07-8P	701322-09-0P	701322-11-4P	701322-13-6P
701322-15-8P	701322-17-0P	701322-19-2P	701322-21-6P	701322-23-8P
701322-25-0P	701322-27-2P	701322-29-4P	701322-31-8P	701322-33-0P
701322-35-2P	701322-37-4P	701322-39-6P	701322-41-0P	701322-43-2P
701322-45-4P	701322-47-6P	701322-49-8P	701322-52-3P	701322-54-5P
701322-56-7P	701322-58-9P	701322-60-3P	701322-62-5P	701322-64-7P
701322-66-9P	701322-68-1P	701322-70-5P	701322-72-7P	701322-74-9P
701322-76-1P	701322-78-3P	701322-80-7P	701322-82-9P	701322-84-1P
701322-86-3P	701322-88-5P	701322-90-9P	701322-92-1P	701322-94-3P
701322-96-5P	701322-98-7P	701323-01-5P	701323-03-7P	701323-05-9P
701323-07-1P	701323-09-3P	701323-11-7P	701323-13-9P	701323-15-1P
701323-17-3P	701323-20-8P	701323-22-0P	701323-24-2P	701323-26-4P
701323-28-6P	701323-30-0P	701323-32-2P	701323-34-4P	701323-36-6P
701323-38-8P	701323-40-2P	701323-42-4P	701323-44-6P	701323-46-8P
701323-48-0P	701323-50-4P	701323-52-6P	701323-54-8P	701323-56-0P
701323-58-2P	701323-60-6P	701323-63-9P	701323-65-1P	701323-67-3P
701323-69-5P	701323-71-9P	701323-73-1P	701323-75-3P	701323-77-5P
701323-80-0P	701323-82-2P	701323-84-4P	701323-86-6P	701323-88-8P
701323-90-2P	701323-92-4P	701323-94-6P	701323-96-8P	701323-99-1P
701324-01-8P	701324-03-0P	701324-05-2P	701324-07-4P	701324-09-6P
701324-11-0P	701324-16-5P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	701324-18-7P	701324-22-3P	701324-26-7P	701324-28-9P	701324-30-3P
	701324-34-7P	701324-37-0P	701324-40-5P	701324-42-7P	701324-49-4P
	701324-51-8P	701324-53-0P	701324-55-2P	701324-57-4P	701324-60-9P
	701324-62-1P	701324-64-3P	701324-66-5P	701324-69-8P	701324-72-3P
	701324-74-5P	701324-76-7P	701324-78-9P	701324-80-3P	701324-82-5P
	701324-86-9P	701324-88-1P	701324-90-5P	701324-92-7P	701324-94-9P
	701324-97-2P	701324-99-4P	701325-01-1P	701325-04-4P	701325-07-7P
	701325-09-9P	701325-11-3P	701325-15-7P	701325-19-1P	701325-21-5P
	701325-23-7P	701325-25-9P	701325-27-1P	701325-29-3P	701325-32-8P
	701325-34-0P	701325-36-2P	701325-38-4P	701325-40-8P	701325-42-0P
	701325-44-2P	701325-46-4P	701325-48-6P	701325-50-0P	701325-52-2P
	701325-54-4P	701325-56-6P	701325-58-8P	701325-60-2P	701325-62-4P
	701325-64-6P	701325-66-8P	701325-68-0P	701325-70-4P	701325-72-6P
	701325-74-8P	701325-76-0P	701325-78-2P	701325-80-6P	701325-82-8P
	701325-84-0P	701325-86-2P	701325-88-4P	701325-90-8P	701325-92-0P
	701325-94-2P	701325-96-4P	701325-99-7P	701326-01-4P	701326-03-6P
	701326-05-8P	701326-07-0P	701326-09-2P	701326-11-6P	701326-13-8P
	701326-15-0P	701326-17-2P	701326-19-4P	701326-23-0P	701326-25-2P

701326-27-4P	701326-29-6P	701326-31-0P	701326-34-3P	701326-36-5P
701326-38-7P	701326-40-1P	701326-42-3P	701326-44-5P	701326-46-7P
701326-48-9P	701326-50-3P	701326-52-5P	701326-54-7P	701326-56-9P
701326-58-1P	701326-60-5P	701326-62-7P	701326-64-9P	701326-66-1P
701326-68-3P	701326-70-7P	701326-72-9P	701326-74-1P	701326-76-3P
701326-78-5P	701326-80-9P	701326-82-1P	701326-84-3P	701326-87-6P
701326-89-8P	701326-91-2P	701326-93-4P	701326-95-6P	701326-97-8P
701326-99-0P	701327-01-7P	701327-03-9P	701327-05-1P	701327-07-3P
701327-09-5P	701327-11-9P	701327-13-1P	701327-15-3P	701327-17-5P
701327-19-7P	701327-21-1P	701327-23-3P	701327-25-5P	701327-27-7P
701327-29-9P	701327-32-4P	701327-34-6P	701327-36-8P	701327-38-0P
701327-40-4P	701327-42-6P	701327-44-8P	701327-46-0P	701327-48-2P
701327-50-6P	701327-52-8P	701327-54-0P	701327-56-2P	701327-58-4P
701327-60-8P	701327-62-0P	701327-64-2P	701327-66-4P	701327-68-6P
701327-70-0P	701327-72-2P	701327-75-5P	701327-77-7P	701327-79-9P
701327-81-3P	701327-83-5P	701327-85-7P	701327-87-9P	701327-89-1P
701327-91-5P	701327-93-7P	701327-95-9P	701327-97-1P	701327-99-3P
701328-01-0P	701328-03-2P	701328-05-4P	701328-07-6P	701328-09-8P
701328-11-2P	701328-14-5P	701328-16-7P	701328-20-3P	701328-22-5P
701328-24-7P	701328-26-9P	701328-30-5P	701328-32-7P	701328-34-9P
701328-36-1P	701328-38-3P	701973-67-3P	701973-68-4P	701973-69-5P
701973-70-8P	701973-71-9P	701973-72-0P	701973-73-1P	701973-74-2P
701973-75-3P	701973-76-4P	701973-77-5P	701973-78-6P	701973-79-7P
701973-80-0P	701973-81-1P	701973-82-2P	701973-83-3P	701973-84-4P
701973-85-5P	701973-86-6P	701973-87-7P	701973-88-8P	701973-89-9P
701973-90-2P	701973-91-3P	701973-92-4P	701973-93-5P	701973-94-6P
701973-95-7P	701973-96-8P	701973-97-9P	701973-98-0P	701973-99-1P
701974-00-7P	701974-01-8P	701974-02-9P	701974-03-0P	701974-04-1P
701974-05-2P	701974-06-3P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	701974-07-4P	701974-08-5P	701974-09-6P	701974-10-9P	701974-11-0P
	701974-12-1P	701974-13-2P	701974-14-3P	701974-15-4P	701974-16-5P
	701974-17-6P	701974-18-7P	701974-19-8P	701974-20-1P	701974-21-2P
	701974-22-3P	701974-23-4P	701974-24-5P	701974-25-6P	701974-26-7P
	701974-27-8P	701974-28-9P	701974-29-0P	701974-30-3P	701974-31-4P
	701974-32-5P	701974-33-6P	701974-34-7P	701974-35-8P	701974-36-9P
	701974-37-0P	701974-38-1P	701974-39-2P	701974-40-5P	701974-41-6P
	701974-42-7P	701974-43-8P	701974-44-9P	701974-45-0P	701974-46-1P
	701974-47-2P	701974-48-3P	701974-49-4P	701974-50-7P	701974-51-8P
	701974-52-9P	701974-53-0P	701974-54-1P	701974-55-2P	701974-56-3P
	701974-57-4P	701974-58-5P	701974-59-6P	701974-60-9P	701974-61-0P
	701974-62-1P	701974-63-2P	701974-64-3P	701974-65-4P	701974-66-5P
	701974-67-6P	701974-68-7P	701974-69-8P	701974-70-1P	701974-71-2P
	701974-72-3P	701974-73-4P	701974-74-5P	701974-75-6P	701974-76-7P
	701974-77-8P	701974-78-9P	701974-79-0P	701989-13-1P	701989-14-2P
	701989-16-4P	701989-18-6P	701989-21-1P	701989-23-3P	701989-25-5P
	701989-27-7P	701989-29-9P	701989-33-5P	701989-35-7P	701989-38-0P
	701989-40-4P	701989-42-6P	701989-44-8P	701989-48-2P	701989-50-6P
	701989-54-0P	701989-57-3P	701989-59-5P	701989-61-9P	701989-65-3P
	701989-67-5P	701989-69-7P	701989-71-1P	701989-73-3P	701989-75-5P
	701989-77-7P	701989-79-9P	701989-81-3P	701989-83-5P	701989-85-7P
	701989-88-0P	701989-90-4P	701989-92-6P	701989-94-8P	701989-96-0P
	701989-98-2P	701990-00-3P	701990-02-5P	701990-04-7P	701990-06-9P
	701990-09-2P	701990-11-6P	701990-13-8P	701990-15-0P	701990-17-2P
	701990-19-4P	701990-21-8P	701990-23-0P	701990-25-2P	701990-27-4P
	701990-29-6P	701990-31-0P	701990-33-2P	701990-35-4P	701990-37-6P
	701990-39-8P	701990-41-2P	701990-43-4P	701990-45-6P	701990-47-8P
	701990-49-0P	701990-52-5P	701990-54-7P	701990-56-9P	701990-58-1P
	701990-60-5P	701990-62-7P	701990-64-9P	701990-66-1P	701990-68-3P
	701990-70-7P	701990-72-9P	701990-74-1P	701990-76-3P	701990-79-6P
	701990-81-0P	701990-83-2P	701990-85-4P	701990-87-6P	701990-89-8P

701990-91-2P	701990-93-4P	701990-95-6P	701990-97-8P	701990-99-0P
701991-01-7P	701991-03-9P	701991-05-1P	701991-07-3P	701991-09-5P
701991-11-9P	701991-13-1P	701991-15-3P	701991-18-6P	701991-20-0P
701991-22-2P	701991-25-5P	701991-27-7P	701991-29-9P	701991-31-3P
701991-33-5P	701991-35-7P	701991-37-9P	701991-39-1P	701991-41-5P
701991-43-7P	701991-45-9P	701991-47-1P	701991-49-3P	701991-51-7P
701991-53-9P	701991-56-2P	701991-58-4P	701991-60-8P	701991-63-1P
701991-66-4P	701991-68-6P	701991-70-0P	701991-72-2P	701991-74-4P
701991-76-6P	701991-79-9P	701991-81-3P	701991-84-6P	701991-88-0P
701991-90-4P	701991-92-6P	701991-96-0P	701991-98-2P	701992-02-1P
701992-04-3P	701992-06-5P	701992-09-8P	701992-11-2P	701992-14-5P
701992-18-9P	701992-20-3P	701992-22-5P	701992-27-0P	701992-29-2P
701992-31-6P	701992-33-8P	701992-35-0P	701992-37-2P	701992-39-4P
701992-41-8P	701992-43-0P	701992-45-2P	701992-48-5P	701992-51-0P
701992-53-2P	701992-55-4P	701992-58-7P	701992-60-1P	701992-63-4P
701992-66-7P				

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (amino acid sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	700880-01-9P	700880-03-1P	700880-05-3P	700880-06-4P	700880-08-6P
	700880-10-0P	700880-12-2P	700880-14-4P	700880-16-6P	700880-18-8P
	700880-20-2P	700880-22-4P	700880-24-6P	700880-26-8P	700880-28-0P
	700880-30-4P	700880-32-6P	700880-34-8P	700880-36-0P	700880-38-2P
	700880-40-6P	700880-42-8P	700880-44-0P	700880-46-2P	700880-48-4P
	700880-49-5P	700880-51-9P	700880-53-1P	700880-55-3P	700880-57-5P
	700880-59-7P	700880-61-1P	700880-63-3P	700880-65-5P	700880-66-6P
	700880-67-7P	700880-69-9P	700880-71-3P	700880-72-4P	700880-74-6P
	700880-75-7P	700880-77-9P	700880-79-1P	700880-81-5P	700880-83-7P
	700880-85-9P	700880-87-1P	700880-89-3P	700880-90-6P	700880-92-8P
	700880-94-0P	700880-96-2P	700880-98-4P	700881-01-2P	700881-03-4P
	700881-05-6P	700881-07-8P	700881-09-0P	700881-11-4P	700881-13-6P
	700881-15-8P	700881-17-0P	700881-19-2P	700881-21-6P	700881-23-8P
	700881-25-0P	700881-27-2P	700881-29-4P	700881-32-9P	700881-34-1P
	700881-36-3P	700881-38-5P	700881-40-9P	700881-42-1P	700881-44-3P
	700881-46-5P	700881-48-7P	700881-50-1P	700881-52-3P	700881-54-5P
	700881-56-7P	700881-58-9P	700881-59-0P	700881-61-4P	700881-63-6P
	700881-65-8P	700881-67-0P	700881-69-2P	700881-71-6P	700881-73-8P
	700881-75-0P	700881-77-2P	700881-79-4P	700881-81-8P	700881-83-0P
	700881-85-2P	700881-87-4P	700881-89-6P	700881-91-0P	700881-93-2P
	700881-95-4P	700881-97-6P	700881-99-8P	700882-01-5P	700882-03-7P
	700882-05-9P	700882-07-1P	700882-09-3P	700882-11-7P	700882-13-9P
	700882-15-1P	700882-17-3P	700882-19-5P	700882-21-9P	700882-23-1P
	700882-25-3P	700882-27-5P	700882-29-7P	700882-31-1P	700882-33-3P
	700882-35-5P	700882-37-7P	700882-39-9P	700882-40-2P	700882-42-4P
	700882-44-6P	700882-46-8P	700882-48-0P	700882-50-4P	700882-52-6P
	700882-53-7P	700882-55-9P	700882-57-1P	700882-59-3P	700882-61-7P
	700882-63-9P	700882-65-1P	700882-67-3P	700882-69-5P	700882-71-9P
	700882-73-1P	700882-75-3P	700882-77-5P	700882-79-7P	700882-81-1P
	700882-83-3P	700882-85-5P	700882-87-7P	700882-89-9P	700882-91-3P
	700882-93-5P	700882-95-7P	700882-97-9P	700882-99-1P	700883-01-8P
	700883-03-0P	700883-05-2P	700883-07-4P	700883-09-6P	700883-11-0P
	700883-13-2P	700883-15-4P	700883-17-6P	700883-19-8P	700883-21-2P
	700883-23-4P	700883-25-6P	700883-27-8P	700883-29-0P	700883-31-4P
	700883-33-6P	700883-35-8P	700883-37-0P	700883-39-2P	700883-41-6P
	700883-43-8P	700883-45-0P	700883-47-2P	700883-49-4P	700883-50-7P
	700883-52-9P	700883-54-1P	700883-56-3P	700883-58-5P	700883-60-9P
	700883-62-1P	700883-64-3P	700883-66-5P	700883-68-7P	700883-70-1P
	700883-72-3P	700883-74-5P	700883-76-7P	700883-78-9P	700883-80-3P
	700883-82-5P	700883-84-7P	700883-86-9P	700883-88-1P	700883-90-5P
	700883-92-7P	700883-94-9P	700883-96-1P	700883-98-3P	700884-00-0P
	700884-02-2P	700884-04-4P	700884-07-7P	700884-08-8P	700884-09-9P
	700884-11-3P	700884-13-5P	700884-15-7P	700884-17-9P	700884-19-1P
	700884-21-5P	700884-22-6P	700884-24-8P	700884-25-9P	700884-27-1P

700884-29-3P 700884-31-7P 700884-33-9P 700884-35-1P 700884-37-3P  
 700884-39-5P 700884-41-9P 700884-43-1P 700884-44-2P 700884-46-4P  
 700884-48-6P 700884-50-0P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	700884-52-2P	700884-54-4P	700884-56-6P	700884-58-8P	700884-60-2P
	700884-62-4P	700884-64-6P	700884-65-7P	700884-67-9P	700884-68-0P
	700884-70-4P	700884-72-6P	700884-74-8P	700884-75-9P	700884-77-1P
	700884-79-3P	700884-80-6P	700884-82-8P	700884-83-9P	700884-84-0P
	700884-85-1P	700884-86-2P	700884-88-4P	700884-90-8P	700884-92-0P
	700884-94-2P	700884-95-3P	700884-97-5P	700884-99-7P	700885-01-4P
	700885-03-6P	700885-04-7P	700885-06-9P	700885-07-0P	700885-09-2P
	700885-11-6P	700885-13-8P	700885-15-0P	700885-16-1P	700885-17-2P
	700885-19-4P	700885-21-8P	700885-23-0P	700885-24-1P	700885-26-3P
	700885-28-5P	700885-29-6P	700885-31-0P	700885-33-2P	700885-35-4P
	700885-37-6P	700885-39-8P	700885-41-2P	700885-42-3P	700885-44-5P
	700885-46-7P	700885-48-9P	700885-50-3P	700885-52-5P	700885-53-6P
	700885-55-8P	700885-57-0P	700885-59-2P	700885-60-5P	700885-62-7P
	700885-64-9P	700885-65-0P	700885-67-2P	700885-68-3P	700885-70-7P
	700885-72-9P	700885-74-1P	700885-75-2P	700885-76-3P	700885-78-5P
	700885-80-9P	700885-81-0P	700885-83-2P	700885-85-4P	700885-86-5P
	700885-88-7P	700885-90-1P	700885-91-2P	700885-93-4P	700885-95-6P
	700885-97-8P	700885-99-0P	700886-01-7P	700886-03-9P	700886-05-1P
	700886-07-3P	700886-09-5P	700886-11-9P	700886-13-1P	700886-15-3P
	700886-17-5P	700886-19-7P	700886-21-1P	700886-23-3P	700886-24-4P
	700886-25-5P	700886-27-7P	700886-29-9P	700886-31-3P	700886-33-5P
	700886-34-6P	700886-36-8P	700886-38-0P	700886-40-4P	700886-42-6P
	700886-44-8P	700886-46-0P	700886-47-1P	700886-49-3P	700886-51-7P
	700886-53-9P	700886-55-1P	700886-57-3P	700886-59-5P	700886-61-9P
	700886-62-0P	700886-64-2P	700886-65-3P	700886-67-5P	700886-69-7P
	700886-71-1P	700886-73-3P	700886-75-5P	700886-77-7P	700886-78-8P
	700886-79-9P	700886-80-2P	700886-81-3P	700886-83-5P	700886-85-7P
	700886-87-9P	700886-89-1P	700886-91-5P	700886-93-7P	700886-95-9P
	700886-96-0P	700886-98-2P	700887-00-9P	700887-02-1P	700887-04-3P
	700887-06-5P	700887-08-7P	700887-10-1P	700887-12-3P	700887-13-4P
	700887-14-5P	700887-15-6P	700887-17-8P	700887-19-0P	700887-21-4P
	700887-23-6P	700887-24-7P	700887-26-9P	700887-28-1P	700887-29-2P
	700887-31-6P	700887-33-8P	700887-35-0P	700887-37-2P	700887-39-4P
	700887-41-8P	700887-43-0P	700887-45-2P	700887-47-4P	700887-49-6P
	700887-51-0P	700887-53-2P	700887-55-4P	700887-56-5P	700887-58-7P
	700887-60-1P	700887-62-3P	700887-63-4P	700887-65-6P	700887-67-8P
	700887-69-0P	700887-71-4P	700887-73-6P	700887-75-8P	700887-77-0P
	700887-79-2P	700887-81-6P	700887-83-8P	700887-84-9P	700887-85-0P
	700887-87-2P	700887-89-4P	700887-91-8P	700887-93-0P	700887-95-2P
	700887-96-3P	700887-97-4P	700887-98-5P	700887-99-6P	700888-01-3P
	700888-03-5P	700888-05-7P	700888-07-9P	700888-09-1P	700888-11-5P
	700888-13-7P	700888-14-8P	700888-15-9P	700888-17-1P	700888-19-3P
	700888-21-7P	700888-23-9P	700888-25-1P	700888-27-3P	700888-28-4P
	700888-30-8P	700888-32-0P	700888-33-1P	700888-35-3P	700888-36-4P
	700888-37-5P	700888-39-7P	700888-41-1P	700888-42-2P	700888-44-4P
	700888-45-5P	700888-47-7P	700888-49-9P	700888-50-2P	700888-51-3P
	700888-53-5P	700888-55-7P			

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(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	700888-57-9P	700888-59-1P	700888-61-5P	700888-62-6P	700888-64-8P
	700888-65-9P	700888-67-1P	700888-69-3P	700888-71-7P	700888-73-9P
	700888-75-1P	700888-76-2P	700888-78-4P	700888-79-5P	700888-80-8P
	700888-82-0P	700888-84-2P	700888-86-4P	700888-88-6P	700888-90-0P

700888-92-2P	700888-93-3P	700888-95-5P	700888-97-7P	700888-99-9P
700889-01-6P	700889-02-7P	700889-04-9P	700889-06-1P	700889-07-2P
700889-08-3P	700889-10-7P	700889-12-9P	700889-13-0P	700889-15-2P
700889-16-3P	700889-18-5P	700889-20-9P	700889-22-1P	700889-24-3P
700889-26-5P	700889-28-7P	700889-29-8P	700889-31-2P	700889-33-4P
700889-35-6P	700889-37-8P	700889-39-0P	700889-40-3P	700889-42-5P
700889-44-7P	700889-46-9P	700889-48-1P	700889-50-5P	700889-52-7P
700889-54-9P	700889-56-1P	700889-58-3P	700889-60-7P	700889-62-9P
700889-63-0P	700889-65-2P	700889-67-4P	700889-69-6P	700889-71-0P
700889-73-2P	700889-74-3P	700889-75-4P	700889-76-5P	700889-78-7P
700889-80-1P	700889-82-3P	700889-83-4P	700889-85-6P	700889-87-8P
700889-89-0P	700889-91-4P	700889-93-6P	700889-94-7P	700889-96-9P
700889-98-1P	700889-99-2P	700890-00-2P	700890-02-4P	700890-03-5P
700890-05-7P	700890-07-9P	700890-09-1P	700890-10-4P	700890-12-6P
700890-14-8P	700890-16-0P	700890-18-2P	700890-20-6P	700890-22-8P
700890-24-0P	700890-26-2P	700890-28-4P	700890-30-8P	700890-31-9P
700890-33-1P	700890-35-3P	700890-37-5P	700890-38-6P	700890-39-7P
700890-41-1P	700890-43-3P	700890-45-5P	700890-47-7P	700890-49-9P
700890-51-3P	700890-53-5P	700890-55-7P	700890-56-8P	700890-58-0P
700890-60-4P	700890-62-6P	700890-64-8P	700890-66-0P	700890-68-2P
700890-70-6P	700890-72-8P	700890-74-0P	700890-76-2P	700890-78-4P
700890-79-5P	700890-80-8P	700890-82-0P	700890-84-2P	700890-85-3P
700890-87-5P	700890-89-7P	700890-90-0P	700890-91-1P	700890-93-3P
700890-95-5P	700890-97-7P	700890-99-9P	700891-01-6P	700891-03-8P
700891-05-0P	700891-07-2P	700891-09-4P	700891-11-8P	700891-13-0P
700891-14-1P	700891-16-3P	700891-17-4P	700891-19-6P	700891-21-0P
700891-23-2P	700891-25-4P	700891-27-6P	700891-28-7P	700891-30-1P
700891-31-2P	700891-33-4P	700891-35-6P	700891-37-8P	700891-39-0P
700891-41-4P	700891-43-6P	700891-45-8P	700891-47-0P	700891-49-2P
700891-51-6P	700891-53-8P	700891-55-0P	700891-57-2P	700891-58-3P
700891-59-4P	700891-61-8P	700891-63-0P	700891-64-1P	700891-65-2P
700891-67-4P	700891-69-6P	700891-71-0P	700891-73-2P	700891-75-4P
700891-77-6P	700891-79-8P	700891-81-2P	700891-82-3P	700891-84-5P
700891-86-7P	700891-87-8P	700891-89-0P	700891-91-4P	700891-93-6P
700891-95-8P	700891-97-0P	700891-98-1P	700892-00-8P	700892-02-0P
700892-04-2P	700892-06-4P	700892-08-6P	700892-09-7P	700892-10-0P
700892-12-2P	700892-14-4P	700892-16-6P	700892-18-8P	700892-19-9P
700892-21-3P	700892-23-5P	700892-24-6P	700892-26-8P	700892-28-0P
700892-29-1P	700892-30-4P	700892-32-6P	700892-34-8P	700892-36-0P
700892-37-1P	700892-39-3P	700892-41-7P	700892-42-8P	700892-44-0P
700892-46-2P	700892-48-4P	700892-50-8P	700892-52-0P	700892-53-1P
700892-55-3P	700892-57-5P	700892-59-7P	700892-61-1P	700892-63-3P
700892-65-5P	700892-67-7P			

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DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
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(nucleotide sequence; gene expression profile in activated human CD4+ T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT	700892-68-8P	700892-69-9P	700892-71-3P	700892-72-4P	700892-73-5P
	700892-74-6P	700892-75-7P	700892-77-9P	700892-79-1P	700892-81-5P
	700892-82-6P	700892-83-7P	700892-85-9P	700892-87-1P	700892-88-2P
	700892-90-6P	700892-91-7P	700892-92-8P	700892-94-0P	700892-95-1P
	700892-97-3P	700892-98-4P	700893-00-1P	700893-02-3P	700893-04-5P
	700893-06-7P	700893-08-9P	700893-10-3P	700893-12-5P	700893-13-6P
	700893-15-8P	700893-17-0P	700893-19-2P	700893-21-6P	700893-23-8P
	700893-24-9P	700893-26-1P	700893-28-3P	700893-30-7P	700893-32-9P
	700893-33-0P	700893-35-2P	700893-36-3P	700893-38-5P	700893-40-9P
	700893-41-0P	700893-43-2P	700893-45-4P	700893-47-6P	700893-48-7P
	700893-50-1P	700893-52-3P	700893-53-4P	700893-55-6P	700893-57-8P
	700893-59-0P	700893-61-4P	700893-63-6P	700893-64-7P	700893-65-8P
	700893-67-0P	700893-69-2P	700893-70-5P	700893-72-7P	700893-74-9P
	700893-76-1P	700893-78-3P	700893-79-4P	700893-81-8P	700893-82-9P
	700893-84-1P	700893-86-3P	700893-87-4P	700893-89-6P	700893-91-0P
	700893-93-2P	700893-94-3P	700893-96-5P	700893-97-6P	700893-98-7P
	700894-00-4P	700894-02-6P	700894-04-8P	700894-06-0P	700894-08-2P

700894-10-6P	700894-12-8P	700894-14-0P	700894-16-2P	700894-17-3P
700894-19-5P	700894-21-9P	700894-23-1P	700894-25-3P	700894-26-4P
700894-27-5P	700894-28-6P	700894-29-7P	700894-31-1P	700894-32-2P
700894-34-4P	700894-35-5P	700894-36-6P	700894-37-7P	700894-38-8P
700894-40-2P	700894-41-3P	700894-43-5P	700894-44-6P	700894-45-7P
700894-46-8P	700894-48-0P	700894-49-1P	700894-51-5P	700894-53-7P
700894-55-9P	700894-57-1P	700894-59-3P	700894-60-6P	700894-61-7P
700894-62-8P	700894-64-0P	700894-66-2P	700894-67-3P	700894-68-4P
700894-69-5P	700894-70-8P	700894-71-9P	700894-73-1P	700894-75-3P
700894-77-5P	700894-79-7P	700894-81-1P	700894-83-3P	700894-84-4P
700894-85-5P	700894-87-7P	700894-89-9P	700894-91-3P	700894-93-5P
700894-95-7P	700894-97-9P	700894-99-1P	700895-01-8P	700895-03-0P
700895-05-2P	700895-07-4P	700895-09-6P	700895-11-0P	700895-12-1P
700895-14-3P	700895-15-4P	700895-17-6P	700895-19-8P	700895-20-1P
700895-22-3P	700895-23-4P	700895-24-5P	700895-26-7P	700895-27-8P
700895-29-0P	700895-31-4P	700895-32-5P	700895-34-7P	700895-36-9P
700895-38-1P	700895-40-5P	700895-42-7P	700895-43-8P	700895-44-9P
700895-45-0P	700895-47-2P	700895-48-3P	700895-49-4P	700895-51-8P
700895-53-0P	700895-55-2P	700895-57-4P	700895-58-5P	700895-59-6P
700895-61-0P	700895-63-2P	700895-65-4P	700895-67-6P	700895-69-8P
700895-71-2P	700895-73-4P	700895-75-6P	700895-76-7P	700895-78-9P
700895-80-3P	700895-81-4P	700895-83-6P	700895-84-7P	700895-86-9P
700895-87-0P	700895-88-1P	700895-89-2P	700895-91-6P	700895-92-7P
700895-94-9P	700895-95-0P	700895-97-2P	700895-99-4P	700896-00-0P
700896-02-2P	700896-03-3P	700896-05-5P	700896-07-7P	700896-09-9P
700896-11-3P	700896-12-4P	700896-13-5P	700896-14-6P	700896-16-8P
700896-18-0P	700896-19-1P	700896-21-5P	700896-22-6P	700896-23-7P
700896-24-8P	700896-25-9P	700896-26-0P	700896-27-1P	700896-29-3P
700896-31-7P	700896-32-8P	700896-34-0P	700896-36-2P	700896-38-4P
700896-40-8P	700896-41-9P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
cells useful for the diagnosis and treatment of immune-related  
diseases)

IT	700896-43-1P	700896-45-3P	700896-47-5P	700896-48-6P	700896-49-7P
	700896-50-0P	700896-52-2P	700896-54-4P	700896-56-6P	700896-58-8P
	700896-59-9P	700896-60-2P	700896-61-3P	700896-63-5P	700896-65-7P
	700896-66-8P	700896-67-9P	700896-68-0P	700896-69-1P	700896-70-4P
	700896-71-5P	700896-73-7P	700896-75-9P	700896-77-1P	700896-79-3P
	700896-81-7P	700896-83-9P	700896-85-1P	700896-87-3P	700896-89-5P
	700896-90-8P	700896-92-0P	700896-94-2P	700896-96-4P	700896-97-5P
	700896-99-7P	700897-01-4P	700897-03-6P	700897-05-8P	700897-07-0P
	700897-09-2P	700897-11-6P	700897-13-8P	700897-15-0P	700897-16-1P
	700897-18-3P	700897-20-7P	700897-22-9P	700897-24-1P	700897-26-3P
	700897-28-5P	700897-30-9P	700897-32-1P	700897-33-2P	700897-35-4P
	700897-37-6P	700897-39-8P	700897-40-1P	700897-42-3P	700897-43-4P
	700897-44-5P	700897-46-7P	700897-47-8P	700897-48-9P	700897-50-3P
	700897-52-5P	700897-54-7P	700897-56-9P	700897-58-1P	700897-60-5P
	700897-62-7P	700897-64-9P	700897-65-0P	700897-66-1P	700897-68-3P
	700897-70-7P	700897-72-9P	700897-74-1P	700897-76-3P	700897-78-5P
	700897-80-9P	700897-82-1P	700897-83-2P	700897-85-4P	700897-87-6P
	700897-89-8P	700897-91-2P	700897-93-4P	700897-95-6P	700897-96-7P
	700897-98-9P	700897-99-0P	700898-01-7P	700898-03-9P	700898-05-1P
	700898-07-3P	700898-09-5P	700898-11-9P	700898-13-1P	700898-14-2P
	700898-16-4P	700898-17-5P	700898-18-6P	700898-20-0P	700898-22-2P
	700898-24-4P	700898-25-5P	700898-27-7P	700898-29-9P	700898-31-3P
	700898-33-5P	700898-35-7P	700898-37-9P	700898-39-1P	700898-41-5P
	700898-42-6P	700898-44-8P	700898-46-0P	700898-48-2P	700898-50-6P
	700898-52-8P	700898-54-0P	700898-56-2P	700898-58-4P	700898-60-8P
	700898-62-0P	700898-64-2P	700898-66-4P	700898-68-6P	700898-70-0P
	700898-72-2P	700898-74-4P	700898-76-6P	700898-78-8P	700898-80-2P
	700898-82-4P	700898-84-6P	700898-86-8P	700898-88-0P	700898-90-4P
	700898-92-6P	700898-94-8P	700898-96-0P	700898-98-2P	700899-00-9P
	700899-02-1P	700899-04-3P	700899-06-5P	700899-08-7P	700899-10-1P

700899-12-3P	700899-14-5P	700899-16-7P	700899-18-9P	700899-20-3P
700899-22-5P	700899-24-7P	700899-26-9P	700899-28-1P	700899-30-5P
700899-31-6P	700899-33-8P	700899-35-0P	700899-37-2P	700899-39-4P
700899-41-8P	700899-43-0P	700899-45-2P	700899-47-4P	700899-49-6P
700899-51-0P	700899-53-2P	700899-55-4P	700899-56-5P	700899-58-7P
700899-60-1P	700899-62-3P	700899-64-5P	700899-66-7P	700899-68-9P
700899-69-0P	700899-71-4P	700899-73-6P	700899-75-8P	700899-77-0P
700899-79-2P	700899-81-6P	700899-83-8P	700899-85-0P	700899-87-2P
700899-89-4P	700899-91-8P	700899-93-0P	700899-94-1P	700899-96-3P
700899-98-5P	700900-00-1P	700900-02-3P	700900-03-4P	700900-05-6P
700900-07-8P	700900-09-0P	700900-11-4P	700900-13-6P	700900-15-8P
700900-17-0P	700900-19-2P	700900-21-6P	700900-23-8P	700900-25-0P
700900-27-2P	700900-29-4P	700900-31-8P	700900-33-0P	700900-35-2P
700900-37-4P	700900-39-6P	700900-41-0P	700900-43-2P	700900-44-3P
700900-46-5P	700900-48-7P	700900-50-1P	700900-52-3P	700900-54-5P
700900-55-6P	700900-57-8P	700900-58-9P	700900-60-3P	700900-62-5P
700900-64-7P	700900-66-9P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	700900-68-1P	700900-69-2P	700900-70-5P	700900-72-7P	700900-74-9P
	700900-76-1P	700900-78-3P	700900-80-7P	700900-82-9P	700900-84-1P
	700900-86-3P	700900-88-5P	700900-90-9P	700900-92-1P	700900-94-3P
	700900-96-5P	700900-98-7P	701319-70-2P	701319-71-3P	701319-73-5P
	701319-75-7P	701319-77-9P	701319-79-1P	701319-81-5P	701319-83-7P
	701319-85-9P	701319-87-1P	701319-89-3P	701319-91-7P	701319-93-9P
	701319-94-0P	701319-96-2P	701319-98-4P	701320-00-5P	701320-01-6P
	701320-03-8P	701320-05-0P	701320-07-2P	701320-09-4P	701320-11-8P
	701320-13-0P	701320-15-2P	701320-17-4P	701320-19-6P	701320-21-0P
	701320-23-2P	701320-25-4P	701320-27-6P	701320-29-8P	701320-31-2P
	701320-33-4P	701320-35-6P	701320-36-7P	701320-38-9P	701320-40-3P
	701320-42-5P	701320-44-7P	701320-46-9P	701320-48-1P	701320-50-5P
	701320-52-7P	701320-54-9P	701320-56-1P	701320-58-3P	701320-60-7P
	701320-62-9P	701320-64-1P	701320-66-3P	701320-67-4P	701320-69-6P
	701320-70-9P	701320-72-1P	701320-73-2P	701320-75-4P	701320-77-6P
	701320-79-8P	701320-81-2P	701320-83-4P	701320-84-5P	701320-86-7P
	701320-88-9P	701320-90-3P	701320-92-5P	701320-94-7P	701320-96-9P
	701320-98-1P	701320-99-2P	701321-01-9P	701321-03-1P	701321-05-3P
	701321-07-5P	701321-09-7P	701321-11-1P	701321-13-3P	701321-15-5P
	701321-17-7P	701321-19-9P	701321-21-3P	701321-23-5P	701321-25-7P
	701321-27-9P	701321-29-1P	701321-31-5P	701321-33-7P	701321-34-8P
	701321-36-0P	701321-38-2P	701321-40-6P	701321-42-8P	701321-44-0P
	701321-46-2P	701321-48-4P	701321-50-8P	701321-52-0P	701321-54-2P
	701321-56-4P	701321-58-6P	701321-60-0P	701321-62-2P	701321-64-4P
	701321-66-6P	701321-68-8P	701321-70-2P	701321-72-4P	701321-74-6P
	701321-75-7P	701321-77-9P	701321-79-1P	701321-81-5P	701321-83-7P
	701321-85-9P	701321-87-1P	701321-89-3P	701321-91-7P	701321-93-9P
	701321-95-1P	701321-97-3P	701321-99-5P	701322-01-2P	701322-03-4P
	701322-04-5P	701322-06-7P	701322-08-9P	701322-10-3P	701322-12-5P
	701322-14-7P	701322-16-9P	701322-18-1P	701322-20-5P	701322-22-7P
	701322-24-9P	701322-26-1P	701322-28-3P	701322-30-7P	701322-32-9P
	701322-34-1P	701322-36-3P	701322-38-5P	701322-40-9P	701322-42-1P
	701322-44-3P	701322-46-5P	701322-48-7P	701322-50-1P	701322-51-2P
	701322-53-4P	701322-55-6P	701322-57-8P	701322-59-0P	701322-61-4P
	701322-63-6P	701322-65-8P	701322-67-0P	701322-69-2P	701322-71-6P
	701322-73-8P	701322-75-0P	701322-77-2P	701322-79-4P	701322-81-8P
	701322-83-0P	701322-85-2P	701322-87-4P	701322-89-6P	701322-91-0P
	701322-93-2P	701322-95-4P	701322-97-6P	701322-99-8P	701323-00-4P
	701323-02-6P	701323-04-8P	701323-06-0P	701323-08-2P	701323-10-6P
	701323-12-8P	701323-14-0P	701323-16-2P	701323-18-4P	701323-19-5P
	701323-21-9P	701323-23-1P	701323-25-3P	701323-27-5P	701323-29-7P
	701323-31-1P	701323-33-3P	701323-35-5P	701323-37-7P	701323-39-9P
	701323-41-3P	701323-43-5P	701323-45-7P	701323-47-9P	701323-49-1P

701323-51-5P 701323-53-7P 701323-55-9P 701323-57-1P 701323-59-3P  
 701323-61-7P 701323-62-8P 701323-64-0P 701323-66-2P 701323-68-4P  
 701323-70-8P 701323-72-0P 701323-74-2P 701323-76-4P 701323-78-6P  
 701323-79-7P 701323-81-1P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	701323-83-3P	701323-85-5P	701323-87-7P	701323-89-9P	701323-91-3P
	701323-93-5P	701323-95-7P	701323-97-9P	701323-98-0P	701324-00-7P
	701324-02-9P	701324-04-1P	701324-06-3P	701324-08-5P	701324-10-9P
	701324-12-1P	701324-13-2P	701324-14-3P	701324-15-4P	701324-17-6P
	701324-19-8P	701324-20-1P	701324-21-2P	701324-23-4P	701324-24-5P
	701324-25-6P	701324-27-8P	701324-29-0P	701324-31-4P	701324-32-5P
	701324-33-6P	701324-35-8P	701324-36-9P	701324-38-1P	701324-39-2P
	701324-41-6P	701324-43-8P	701324-44-9P	701324-45-0P	701324-46-1P
	701324-47-2P	701324-48-3P	701324-50-7P	701324-52-9P	701324-54-1P
	701324-56-3P	701324-58-5P	701324-59-6P	701324-61-0P	701324-63-2P
	701324-65-4P	701324-67-6P	701324-68-7P	701324-70-1P	701324-71-2P
	701324-73-4P	701324-75-6P	701324-77-8P	701324-79-0P	701324-81-4P
	701324-83-6P	701324-84-7P	701324-85-8P	701324-87-0P	701324-89-2P
	701324-91-6P	701324-93-8P	701324-95-0P	701324-96-1P	701324-98-3P
	701325-00-0P	701325-02-2P	701325-03-3P	701325-05-5P	701325-06-6P
	701325-08-8P	701325-10-2P	701325-12-4P	701325-13-5P	701325-14-6P
	701325-16-8P	701325-17-9P	701325-18-0P	701325-20-4P	701325-22-6P
	701325-24-8P	701325-26-0P	701325-28-2P	701325-30-6P	701325-31-7P
	701325-33-9P	701325-35-1P	701325-37-3P	701325-39-5P	701325-41-9P
	701325-43-1P	701325-45-3P	701325-47-5P	701325-49-7P	701325-51-1P
	701325-53-3P	701325-55-5P	701325-57-7P	701325-59-9P	701325-61-3P
	701325-63-5P	701325-65-7P	701325-67-9P	701325-69-1P	701325-71-5P
	701325-73-7P	701325-75-9P	701325-77-1P	701325-79-3P	701325-81-7P
	701325-83-9P	701325-85-1P	701325-87-3P	701325-89-5P	701325-91-9P
	701325-93-1P	701325-95-3P	701325-97-5P	701325-98-6P	701326-00-3P
	701326-02-5P	701326-04-7P	701326-06-9P	701326-08-1P	701326-10-5P
	701326-12-7P	701326-14-9P	701326-16-1P	701326-18-3P	701326-20-7P
	701326-21-8P	701326-22-9P	701326-24-1P	701326-26-3P	701326-28-5P
	701326-30-9P	701326-32-1P	701326-33-2P	701326-35-4P	701326-37-6P
	701326-39-8P	701326-41-2P	701326-43-4P	701326-45-6P	701326-47-8P
	701326-49-0P	701326-51-4P	701326-53-6P	701326-55-8P	701326-57-0P
	701326-59-2P	701326-61-6P	701326-63-8P	701326-65-0P	701326-67-2P
	701326-69-4P	701326-71-8P	701326-73-0P	701326-75-2P	701326-77-4P
	701326-79-6P	701326-81-0P	701326-83-2P	701326-85-4P	701326-86-5P
	701326-88-7P	701326-90-1P	701326-92-3P	701326-94-5P	701326-96-7P
	701326-98-9P	701327-00-6P	701327-02-8P	701327-04-0P	701327-06-2P
	701327-08-4P	701327-10-8P	701327-12-0P	701327-14-2P	701327-16-4P
	701327-18-6P	701327-20-0P	701327-22-2P	701327-24-4P	701327-26-6P
	701327-28-8P	701327-30-2P	701327-31-3P	701327-33-5P	701327-35-7P
	701327-37-9P	701327-39-1P	701327-41-5P	701327-43-7P	701327-45-9P
	701327-47-1P	701327-49-3P	701327-51-7P	701327-53-9P	701327-55-1P
	701327-57-3P	701327-59-5P	701327-61-9P	701327-63-1P	701327-65-3P
	701327-67-5P	701327-69-7P	701327-71-1P	701327-73-3P	701327-74-4P
	701327-76-6P	701327-78-8P	701327-80-2P	701327-82-4P	701327-84-6P
	701327-86-8P	701327-88-0P	701327-90-4P	701327-92-6P	701327-94-8P
	701327-96-0P	701327-98-2P	701328-00-9P	701328-02-1P	701328-04-3P
	701328-06-5P	701328-08-7P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT	701328-10-1P	701328-12-3P	701328-13-4P	701328-15-6P	701328-17-8P
	701328-18-9P	701328-19-0P	701328-21-4P	701328-23-6P	701328-25-8P
	701328-27-0P	701328-28-1P	701328-29-2P	701328-31-6P	701328-33-8P

701328-35-0P	701328-37-2P	701328-39-4P	701989-15-3P	701989-17-5P
701989-19-7P	701989-20-0P	701989-22-2P	701989-24-4P	701989-26-6P
701989-28-8P	701989-30-2P	701989-31-3P	701989-32-4P	701989-34-6P
701989-36-8P	701989-37-9P	701989-39-1P	701989-41-5P	701989-43-7P
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701989-52-8P	701989-53-9P	701989-55-1P	701989-56-2P	701989-58-4P
701989-60-8P	701989-62-0P	701989-63-1P	701989-64-2P	701989-66-4P
701989-68-6P	701989-70-0P	701989-72-2P	701989-74-4P	701989-76-6P
701989-78-8P	701989-80-2P	701989-82-4P	701989-84-6P	701989-86-8P
701989-87-9P	701989-89-1P	701989-91-5P	701989-93-7P	701989-95-9P
701989-97-1P	701989-99-3P	701990-01-4P	701990-03-6P	701990-05-8P
701990-07-0P	701990-08-1P	701990-10-5P	701990-12-7P	701990-14-9P
701990-16-1P	701990-18-3P	701990-20-7P	701990-22-9P	701990-24-1P
701990-26-3P	701990-28-5P	701990-30-9P	701990-32-1P	701990-34-3P
701990-36-5P	701990-38-7P	701990-40-1P	701990-42-3P	701990-44-5P
701990-46-7P	701990-48-9P	701990-50-3P	701990-51-4P	701990-53-6P
701990-55-8P	701990-57-0P	701990-59-2P	701990-61-6P	701990-63-8P
701990-65-0P	701990-67-2P	701990-69-4P	701990-71-8P	701990-73-0P
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701990-84-3P	701990-86-5P	701990-88-7P	701990-90-1P	701990-92-3P
701990-94-5P	701990-96-7P	701990-98-9P	701991-00-6P	701991-02-8P
701991-04-0P	701991-06-2P	701991-08-4P	701991-10-8P	701991-12-0P
701991-14-2P	701991-16-4P	701991-17-5P	701991-19-7P	701991-21-1P
701991-23-3P	701991-24-4P	701991-26-6P	701991-28-8P	701991-30-2P
701991-32-4P	701991-34-6P	701991-36-8P	701991-38-0P	701991-40-4P
701991-42-6P	701991-44-8P	701991-46-0P	701991-48-2P	701991-50-6P
701991-52-8P	701991-54-0P	701991-55-1P	701991-57-3P	701991-59-5P
701991-61-9P	701991-62-0P	701991-64-2P	701991-65-3P	701991-67-5P
701991-69-7P	701991-71-1P	701991-73-3P	701991-75-5P	701991-77-7P
701991-78-8P	701991-80-2P	701991-82-4P	701991-83-5P	701991-85-7P
701991-86-8P	701991-87-9P	701991-89-1P	701991-91-5P	701991-93-7P
701991-94-8P	701991-95-9P	701991-97-1P	701991-99-3P	701992-00-9P
701992-01-0P	701992-03-2P	701992-05-4P	701992-07-6P	701992-08-7P
701992-10-1P	701992-12-3P	701992-13-4P	701992-15-6P	701992-16-7P
701992-17-8P	701992-19-0P	701992-21-4P	701992-23-6P	701992-24-7P
701992-25-8P	701992-26-9P	701992-28-1P	701992-30-5P	701992-32-7P
701992-34-9P	701992-36-1P	701992-38-3P	701992-40-7P	701992-42-9P
701992-44-1P	701992-46-3P	701992-47-4P	701992-49-6P	701992-50-9P
701992-52-1P	701992-54-3P	701992-56-5P	701992-57-6P	701992-59-8P
701992-61-2P	701992-62-3P	701992-64-5P	701992-65-6P	

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

IT 700897-27-4P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; gene expression profile in activated human CD4+ T  
 cells useful for the diagnosis and treatment of immune-related  
 diseases)

RN 700897-27-4 HCAPLUS

CN T lymphocyte activation-associated protein PRO9741 (human) (9CI) (CA  
 INDEX NAME)

SEQ 1 MSAMKSVLPL LNPYCVLAFV YACMCVRAHV CVCVYMCMCV LCACVCTCRK  
 51 KVMCGNGEFQ PRRRLCLGLP REVVTLRGTG SKCTLPSSSL CDLGQVTSAP

L9 ANSWER 4 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:452958 HCAPLUS

DN 141:17588  
 ED Entered STN: 04 Jun 2004  
 TI Antibodies againsts tumor-associated proteins for the diagnosis and treatment of tumor in mammals  
 IN Ashkenazi, Avi J.; Frantz, Gretchen; Goddard, Audrey; Gonzalez, Lino; Gurney, Austin L.; Polakis, Paul; Polson, Andrew; Wood, William I.; Wu, Thomas D.; Zhang, Zemin  
 PA Genentech, Inc., USA  
 SO PCT Int. Appl., 183 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K  
 CC 1-6 (Pharmacology)  
 Section cross-reference(s): 3, 13, 15

## FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004045516	A2	20040603	WO 2003-US36298	20031113
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005123925	A1	20050609	US 2003-712892	20031112
	US 2005064492	A1	20050324	US 2004-948518	20040922
PRAI	US 2002-426847P	P	20021115		
	US 2002-431250P	P	20021206		
	US 2002-437344P	P	20021231		
	US 2002-404809P	P	20020819		
	US 2002-405645P	P	20020821		
	US 2002-413192P	P	20020923		
	US 2002-419008P	P	20021015		
	US 2003-484959P	P	20030702		
	US 2003-643795	A1	20030819		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004045516	ICM	A61K
US 2005123925	NCL	435/006.000
US 2005064492	NCL	435/006.000
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/30

AB The present invention is directed to compns. of matter useful for the diagnosis and treatment of tumor in mammals and to methods of using those compns. of matter for the same. The present invention provides cDNA and protein sequences for novel tumor-associated proteins (cell membrane-associated, secreted or intracellular), and antibodies to such proteins useful in the therapeutic treatment and diagnostic detection of cancer in mammals.

ST antibody tumor assocd protein diagnosis treatment mammal; anticancer antibody tumor assocd protein diagnosis; tumor assocd protein cDNA sequence human

IT Animal cell line  
 (CHO, antibody producing host; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Toxins  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Maytansinoid, antibody conjugates; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antitumor agents  
 Cytotoxic agents

Drug targets  
 Human  
 Immunotherapy  
 Mammalia  
 Molecular cloning  
 Neoplasm  
 Tumor markers  
 (antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antibiotics  
 (antibody conjugates; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Radionuclides, biological studies  
 Toxins  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (antibody conjugates; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Escherichia coli  
 Yeast  
 (antibody expression host; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Eubacteria  
 (antibody producing host; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Diagnosis  
 (cancer; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (conjugates, to cell growth inhibitory factor; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (cytotoxic; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Genetic vectors  
 (expressing antibody; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Protein motifs  
 (extracellular domain, of tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT cDNA sequences  
 (for human tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (fragments, to tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (humanized, to tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Diagnosis  
 (immunodiagnosis; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT Cell proliferation  
 (inhibition, tumor; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

- IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (labeled, to tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (monoclonal, to tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Enzymes, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (nucleolytic, antibody conjugates; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Protein sequences  
 (of human tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Signal peptides  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (of tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (to tumor-associated proteins; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Cell death  
 (tumor, antibody-induced; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Gene expression profiles, animal  
 (tumor-associated proteins identified using; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT Proteins  
 RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor-associated; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT 699321-71-6D, subfragments are claimed 699321-72-7D, subfragments are claimed 699321-73-8D, Tumor-associated protein TAT402 (human), subfragments are claimed 699321-74-9D, Tumor-associated protein TAT403 (human), subfragments are claimed 699321-75-0D, Tumor-associated protein TAT404 (human), subfragments are claimed 699321-76-1D, subfragments are claimed 699321-77-2D, subfragments are claimed 699321-78-3D, subfragments are claimed 699321-79-4D, Tumor-associated protein TAT408 (human), subfragments are claimed 699321-80-7D, subfragments are claimed 699321-81-8D, subfragments are claimed 699321-82-9D, subfragments are claimed 699321-83-0D, subfragments are claimed 699321-84-1D, subfragments are claimed 699321-85-2D, subfragments are claimed 699321-86-3D, Tumor-associated protein TAT414 (human), subfragments are claimed 699321-87-4D, subfragments are claimed 699321-88-5D, Tumor-associated protein TAT415 (human), subfragments are claimed 699321-89-6D, Tumor-associated protein TAT416 (human), subfragments are claimed 699321-90-9D, subfragments are claimed 699321-91-0D, Tumor-associated protein TAT419 (human), subfragments are claimed  
 RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)
- IT 35846-53-8D, Maytansine, maytansinoids 113440-58-7, Calicheamicin  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(antibody conjugates; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT 699321-50-1D, subfragments are claimed 699321-51-2D, subfragments are claimed 699321-52-3D, subfragments are claimed 699321-53-4D, subfragments are claimed 699321-54-5D, subfragments are claimed 699321-55-6D, subfragments are claimed 699321-56-7D, subfragments are claimed 699321-57-8D, subfragments are claimed 699321-58-9D, subfragments are claimed 699321-59-0D, subfragments are claimed 699321-60-3D, subfragments are claimed 699321-61-4D, subfragments are claimed 699321-62-5D, subfragments are claimed 699321-63-6D, subfragments are claimed 699321-64-7D, subfragments are claimed 699321-65-8D, subfragments are claimed 699321-66-9D, subfragments are claimed 699321-67-0D, subfragments are claimed 699321-68-1D, subfragments are claimed 699321-69-2D, subfragments are claimed 699321-70-5D, subfragments are claimed

RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(nucleotide sequence; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

IT 699321-81-8D, subfragments are claimed

RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(amino acid sequence; antibodies againsts tumor-associated proteins for diagnosis and treatment of tumor in mammals)

RN 699321-81-8 HCAPLUS

CN Tumor-associated protein TAT409 (human precursor) (9CI) (CA INDEX NAME)

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SEQ      1 MAGPRPSPWA RLLLAALISV SLSGTLANRC KKAPVKSCTE CVRVDKDCAY
          51 CTDEMFRDRR CNTQAEELAA GCQRESIVVM ESSFQITEET QIDTTLRRSQ
        101 MSPQGLRVRL RPGEERHFEL EVFEPLESPV DLYILMDFSN SMSDDLNLK
        151 KMGQNLARVL SOLTSDYTIG FGKFVDKVSQ PQTDMRPEKL KEPWPNSDPP
        201 FSFKNVISLT EDVDEFNRKL QGERISGNLD APEGGFDAIL QTAVCTRDIG
        251 WRPDSTHLLV FSTESAFHYE ADGANVLAGI MSRNDERCHL DTTGTYTQYR
        301 TQDYPSVPTL VRLAKHNII PIFAVTNSY SYEKLHTYF PVSSLGVLQE
        351 DSSNIVELLE EAFNRIRSNL DIRALDSPRG LRTEVTSKMF QKTRTGSFHI
        401 RRGEVGIYQV QLRALHVDG THVCQLPEDQ KGNHLKPSF SDGLKMDAGI
        451 ICDVCTCELQ KEVRSARCSF NGDFVCGQCV CSEGWSGQTC NCSTGSLSDI
        501 QPCLREGEDK PCSGRGECQC GHCVCYGEGR YEGQFCEYDN FQCPRTSGLF
        551 CNDRGRCSMG QVCCEPGWTG PSCDCPLSNA TCIDSNGGIC NGRGHCECGR
        601 CHCHQQSLYT DTICEINYSI IHPGLCEDLR SCVQCQAWGT GEKKGRTCEE
        651 CNFKVKMVDL LKRAEEVVVR CSFRDEDDDC TYSYTMEGDG APGPNSTVLV
        701 HKKKDCPPGS FWLILPLLLL LLPLLLALLL LCWKYCACCK ACLALLPCCN
        751 RGHMVGFKED HYMLRENLMA SDHLDTPMLR SGNLKGDRDV RWKVNTNMQR
        801 PGFATHAASI NPTELVPYGL SLRLARLCTE NLLKPDTRC AQLRQVEVEN
        851 LNEVYRQISG VHKLQQTKFR QQPNAGKKQD HTIVDTVLMA PRSAKPALLK
        901 LTEKQVEQRA FHDLVKAPGY YTLTADQDAR GMVEFQEGVE LVDVRVPLFI
        951 RPEDDDEKQL LVEAIDVPAG TATLGRRLVN ITIIKEQARD VVSFEQPEFS
       1001 VSRGDQVARI PVIRRVLDGG KSQVSYRTQD GTAQGNRDYI PVEGELLFQP
       1051 GEAWKELQVK LLELQEVDSL LRGRQVRRFH VQLSNPKFGA HLGQPHSTTI
       1101 IIRDPDELDR SFTSQMLSSQ PPPHGDLAGP QNPNAKAAGS RKIHFNLWLP
       1151 SGKPMGYRVK YWIQDSESE AHLDSKVPS VELTNLYPYC DYEMKVCAYG
       1201 AQGEGPYSSL VSCRTHQEV SEPGRFAFNV VSSTVTQLSW AEPATNGEI
       1251 TAYEVCYGLV NDDNRPIGPM KKVLDVNPNK RMLLIENLRE SQPYRYTVKA
       1301 RANGAGWPER EAIINLATQP KRPMISIIP DIPIVDAQSG EDYDSFLMYS
       1351 DDVLRSPSGS QRPSVSDTTE HLVNGRMDFA FPGSTNSLHR MTTTSAAAYG
       1401 THLSPHVPHR VLSTSTLTR DYNSLTRSEH SHSTLPRDY STLTSSVSHD
       1451 SRLTAGVPDT PTRLVFSALG PTLRVSQWE PRCERPLQGY SVEYQLLNGG
       1501 ELHRLNIPNP AQTSVVVEDL LPNHSYVFRV RAQSQEGWGR EREGVITIES
       1551 QVHPGSLPCP LPGSAFTLST PSAPGPLVFT ALSPDSLQLS WERPRRPNGD
       1601 IVGYLVTCM AQGGGPATAF RVDGDSPESE LTVPGLSNV PYKFKVQART
       1651 TEGFGPEREG IITIESQDGG PFPQLGSRAG LFQHPLOQSEY SSITTTHTSA
       1701 TEPFLVDGPT LGAQHLEAGG SLTRHVTQEF VSRTLTTSGT LSTHMDQQFF
       1751 QT

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L9 ANSWER 5 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:412755 HCAPLUS  
 DN 141:5810  
 ED Entered STN: 21 May 2004  
 TI Differentially expressed genes and encoded proteins in differentiated  
 macrophages that are useful for diagnosis and treatment of immune-related  
 diseases  
 IN Clark, Hilary; Schoenfeld, Jill; Van Lookeren, Menno; Williams, P. Mickey;  
 Wood, William I.; Wu, Thomas D.  
 PA Genentech, Inc., USA  
 SO PCT Int. Appl., 2940 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K  
 CC 15-7 (Immunochemistry)  
 Section cross-reference(s): 1, 3, 6, 9

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2004041170	A2	20040521	WO 2003-US34312	20031030	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
PRAI	US 2002-423394P	P	20021101			

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2004041170	ICM	A61K
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AB The present invention relates to compns. containing novel proteins and methods of using those compns. for the diagnosis and treatment of immune-related diseases. Specific cDNA sequences are provided which are differentially expressed (up-regulated) in differentiated macrophages at day 7 as compared to normal undifferentiated monocytes at day 0 and day 1. The encoded proteins are useful not only as diagnostic markers for the presence of one or more immune disorders, but also serve as therapeutic targets for the treatment of those immune disorders and inflammatory immune responses..

ST gene expression macrophage differentiation immune disease; monocyte differentiation gene expression immune disease

IT Transplant and Transplantation  
 (-associated disease; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Animal cell line  
 (CHO, recombinant expression host; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Nervous system, disease  
 (Guillain-Barre syndrome; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Intestine, disease  
 (Whipple's; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment

of immune-related diseases)

IT Allergy  
Inflammation  
Nose, disease  
(allergic rhinitis; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Dermatitis  
(atopic; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Anemia (disease)  
Autoimmune disease  
(autoimmune hemolytic anemia; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Skin, disease  
(autoimmune or immune-mediated; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Autoimmune disease  
(autoimmune thrombocytopenia; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Hepatitis  
(autoimmune; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Skin, disease  
(bullous; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Nervous system, disease  
(central, demyelination; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Nervous system, disease  
(chronic inflammatory demyelinating polyneuropathy; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Dermatitis  
(contact; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Allergy  
Allergy inhibitors  
Anti-inflammatory agents  
Antiarthritics  
Antiasthmatics  
Antidiabetic agents  
Antirheumatic agents  
Asthma  
Biliary tract, disease  
Biomarkers  
Celiac disease  
Diabetes mellitus  
Drug screening  
Drug targets  
Food allergy  
Human  
Immunoassay  
Immunomodulators  
Inflammation  
Mammalia  
Molecular cloning  
Osteoarthritis

Protein sequences  
 Psoriasis  
 Rheumatoid arthritis  
 Sarcoidosis  
 Sjogren's syndrome  
 Transplant rejection  
 Urticaria  
 Vaccines  
 cDNA sequences  
 (differentially expressed genes and encoded proteins in differentiated  
 macrophages that are useful for diagnosis and treatment of  
 immune-related diseases)

IT Antisense nucleic acids  
 RL: DGN (Diagnostic use); BIOL (Biological study); USES (Uses)  
 (differentially expressed genes and encoded proteins in differentiated  
 macrophages that are useful for diagnosis and treatment of  
 immune-related diseases)

IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (differentially expressed genes and encoded proteins in differentiated  
 macrophages that are useful for diagnosis and treatment of  
 immune-related diseases)

IT Macrophage  
 (differentiation from monocytes; differentially expressed genes and  
 encoded proteins in differentiated macrophages that are useful for  
 diagnosis and treatment of immune-related diseases)

IT Monocyte  
 (differentiation; differentially expressed genes and encoded proteins  
 in differentiated macrophages that are useful for diagnosis and  
 treatment of immune-related diseases)

IT Platelet (blood)  
 (disease, autoimmune thrombocytopenia; differentially expressed genes  
 and encoded proteins in differentiated macrophages that are useful for  
 diagnosis and treatment of immune-related diseases)

IT Immunity  
 (disorder; differentially expressed genes and encoded proteins in  
 differentiated macrophages that are useful for diagnosis and treatment  
 of immune-related diseases)

IT Lung, disease  
 (eosinophilia; differentially expressed genes and encoded proteins in  
 differentiated macrophages that are useful for diagnosis and treatment  
 of immune-related diseases)

IT Lung, disease  
 (fibrosis; differentially expressed genes and encoded proteins in  
 differentiated macrophages that are useful for diagnosis and treatment  
 of immune-related diseases)

IT Antibodies and Immunoglobulins  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (fusion products, Fc region; differentially expressed genes and encoded  
 proteins in differentiated macrophages that are useful for diagnosis  
 and treatment of immune-related diseases)

IT Epitopes  
 (fusion proteins; differentially expressed genes and encoded proteins  
 in differentiated macrophages that are useful for diagnosis and  
 treatment of immune-related diseases)

IT Transplant and Transplantation  
 (graft-vs.-host reaction; differentially expressed genes and encoded  
 proteins in differentiated macrophages that are useful for diagnosis  
 and treatment of immune-related diseases)

IT Hepatitis  
 (granulomatous; differentially expressed genes and encoded proteins in  
 differentiated macrophages that are useful for diagnosis and treatment  
 of immune-related diseases)

IT Antibodies and Immunoglobulins

RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(humanized; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)

- IT Allergy  
Inflammation  
Lung, disease  
(hypersensitivity pneumonitis; differentially expressed genes and  
encoded proteins in differentiated macrophages that are useful for  
diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(idiopathic demyelinating polyneuropathy; differentially expressed  
genes and encoded proteins in differentiated macrophages that are  
useful for diagnosis and treatment of immune-related diseases)
- IT Muscle, disease  
(idiopathic inflammatory myopathy; differentially expressed genes and  
encoded proteins in differentiated macrophages that are useful for  
diagnosis and treatment of immune-related diseases)
- IT Proteins  
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
(Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(immune disease-related; differentially expressed genes and encoded  
proteins in differentiated macrophages that are useful for diagnosis  
and treatment of immune-related diseases)
- IT Kidney, disease  
(immune-mediated; differentially expressed genes and encoded proteins  
in differentiated macrophages that are useful for diagnosis and  
treatment of immune-related diseases)
- IT Lung, disease  
(immunol.; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Hepatitis  
(infectious; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Intestine, disease  
(inflammatory; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Rheumatoid arthritis  
(juvenile; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Diagnosis  
(mol.; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)  
(monoclonal; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Erythema  
(multiforme; differentially expressed genes and encoded proteins in  
differentiated macrophages that are useful for diagnosis and treatment  
of immune-related diseases)
- IT Cell differentiation  
(of monocytes to macrophages; differentially expressed genes and  
encoded proteins in differentiated macrophages that are useful for  
diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(peripheral, demyelination; differentially expressed genes and encoded  
proteins in differentiated macrophages that are useful for diagnosis

and treatment of immune-related diseases)

IT Biliary tract, disease  
(primary biliary cirrhosis; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Fibrosis  
(pulmonary; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Escherichia coli  
Yeast  
(recombinant expression host; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Connective tissue, disease  
(scleroderma; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Biliary tract, disease  
Inflammation  
(sclerosing cholangitis; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(single chain; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Spinal column, disease  
(spondyloarthropathy; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Lupus erythematosus  
(systemic; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Inflammation  
Thyroid gland, disease  
(thyroiditis; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Blood vessel, disease  
Inflammation  
(vasculitis; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT Fusion proteins (chimeric proteins)  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(with epitope tags or Fc region of Ig; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 212756-87-1 678990-33-5 688739-47-1 688739-48-2 694503-20-3  
694503-21-4 694535-05-2 694535-07-4 694535-09-6 694535-11-0  
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694535-33-6 694535-35-8 694535-37-0 694535-39-2 694535-41-6  
694535-43-8 694535-45-0 694535-47-2 694535-49-4 694535-52-9  
694535-54-1 694535-56-3 694535-58-5 694535-60-9 694535-62-1  
694535-64-3 694535-66-5 694535-68-7 694535-70-1 694535-72-3  
694535-74-5 694535-76-7 694535-78-9 694535-80-3 694535-83-6  
694535-85-8 694535-87-0 694535-89-2 694535-91-6 694535-93-8  
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694538-09-5	694538-12-0	694538-14-2	694538-16-4	694538-18-6
694538-20-0	694538-22-2	694538-24-4	694538-26-6	694538-28-8
694538-30-2	694538-32-4	694538-34-6	694538-36-8	694538-38-0
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694539-00-9	694539-02-1	694539-04-3	694539-07-6	694539-09-8
694539-11-2	694539-13-4	694539-15-6	694539-17-8	694539-19-0
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694539-52-1	694539-54-3	694539-56-5	694539-58-7	694539-60-1
694539-63-4	694539-65-6	694539-67-8	694539-69-0	694539-71-4

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694539-73-6	694539-75-8	694539-77-0	694539-79-2	694539-81-6
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	694540-05-1	694540-07-3	694540-09-5	694540-11-9	694540-13-1
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	694540-65-3	694540-67-5	694540-69-7	694540-71-1	694540-73-3
	694540-75-5	694540-77-7	694540-79-9	694540-81-3	694540-83-5
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694544-26-8	694544-28-0	694544-30-4	694544-32-6	694544-34-8
694544-37-1	694544-39-3	694544-41-7	694544-43-9	694544-45-1

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 694544-47-3	694544-49-5	694544-51-9	694544-53-1	694544-55-3
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694546-89-9	694546-91-3	694546-93-5	694546-95-7	694546-97-9
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694548-29-3	694548-31-7	694548-33-9	694548-35-1	694548-37-3
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694548-60-2	694548-62-4	694548-64-6	694548-66-8	694548-68-0
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694549-00-3	694549-02-5	694549-04-7	694549-06-9	694549-09-2
694549-11-6	694549-13-8	694549-15-0	694549-17-2	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694549-19-4	694549-21-8	694549-23-0	694549-25-2	694549-27-4
	694549-29-6	694549-31-0	694549-33-2	694549-34-3	694549-36-5
	694549-38-7	694549-40-1	694549-42-3	694549-44-5	694549-46-7
	694549-48-9	694549-50-3	694549-52-5	694549-54-7	694549-56-9
	694549-58-1	694549-60-5	694549-62-7	694549-64-9	694549-66-1
	694549-68-3	694549-70-7	694549-72-9	694549-74-1	694549-76-3
	694549-78-5	694549-80-9	694549-83-2	694549-85-4	694549-87-6
	694549-89-8	694549-91-2	694549-93-4	694549-95-6	694549-97-8
	694549-99-0	694550-01-1	694550-03-3	694550-05-5	694550-07-7
	694550-09-9	694550-12-4	694550-14-6	694550-16-8	694550-18-0
	694550-20-4	694550-22-6	694550-24-8	694550-26-0	694550-28-2
	694550-30-6	694550-32-8	694550-34-0	694550-36-2	694550-38-4
	694550-40-8	694550-42-0	694550-44-2	694550-46-4	694550-48-6
	694550-50-0	694550-52-2	694550-54-4	694550-56-6	694550-58-8
	694550-60-2	694550-62-4	694550-64-6	694550-66-8	694550-68-0
	694550-70-4	694550-72-6	694550-74-8	694550-76-0	694550-78-2
	694550-80-6	694550-82-8	694550-83-9	694550-84-0	694550-86-2
	694550-88-4	694550-90-8	694550-94-2	694550-96-4	694550-98-6
	694551-00-3	694551-02-5	694551-04-7	694551-06-9	694551-08-1
	694551-10-5	694551-12-7	694551-14-9	694551-16-1	694551-18-3
	694551-20-7	694551-22-9	694551-24-1	694551-26-3	694551-30-9
	694551-33-2	694551-35-4	694551-37-6	694551-40-1	694551-42-3
	694551-46-7	694551-48-9	694551-51-4	694551-53-6	694551-55-8
	694551-58-1	694551-60-5	694551-62-7	694551-64-9	694551-67-2
	694551-69-4	694551-72-9	694551-74-1	694551-77-4	694551-80-9
	694551-82-1	694551-85-4	694551-88-7	694551-90-1	694551-92-3
	694551-94-5	694551-96-7	694551-98-9	694552-00-6	694552-03-9
	694552-06-2	694552-08-4	694552-11-9	694552-13-1	694552-15-3
	694552-17-5	694552-19-7	694552-21-1	694552-23-3	694552-27-7
	694552-29-9	694552-32-4	694552-35-7	694552-37-9	694552-39-1
	694552-41-5	694552-44-8	694552-47-1	694552-49-3	694552-52-8
	694552-54-0	694552-56-2	694552-59-5	694552-61-9	694552-64-2
	694552-66-4	694552-69-7	694552-71-1	694552-75-5	694552-77-7
	694552-79-9	694552-81-3	694552-83-5	694552-85-7	694552-87-9
	694552-91-5	694552-93-7	694552-95-9	694552-97-1	694552-99-3
	694553-01-0	694553-03-2	694553-05-4	694553-07-6	694553-10-1
	694553-12-3	694553-15-6	694553-17-8	694553-19-0	694553-21-4
	694553-24-7	694553-26-9	694553-28-1	694553-30-5	694553-32-7
	694553-34-9	694553-36-1	694553-38-3	694553-40-7	694553-42-9
	694553-45-2	694553-47-4	694553-49-6	694553-51-0	694553-53-2
	694553-55-4	694553-57-6	694553-59-8	694553-61-2	694553-63-4
	694553-65-6	694553-67-8	694553-71-4	694553-73-6	694553-75-8
	694553-77-0	694553-80-5	694553-82-7	694553-84-9	694553-87-2
	694553-91-8	694553-93-0	694553-95-2	694553-97-4	694553-99-6
	694554-02-4	694554-04-6	694554-07-9	694554-09-1	694554-11-5
	694554-13-7	694554-15-9	694554-17-1	694554-19-3	694554-21-7
	694554-23-9	694554-26-2	694554-28-4	694554-30-8	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694554-32-0	694554-34-2	694554-37-5	694554-40-0	694554-42-2
	694554-45-5	694554-47-7	694554-49-9	694554-51-3	694554-53-5
	694554-55-7	694554-57-9	694554-59-1	694554-61-5	694554-63-7

694554-65-9	694554-67-1	694554-69-3	694554-71-7	694554-73-9
694554-75-1	694554-77-3	694554-79-5	694554-81-9	694554-83-1
694554-85-3	694554-87-5	694554-89-7	694554-91-1	694554-93-3
694554-95-5	694554-97-7	694554-99-9	694555-01-6	694555-03-8
694555-05-0	694555-08-3	694555-10-7	694555-12-9	694555-14-1
694555-16-3	694555-18-5	694555-20-9	694555-22-1	694555-24-3
694555-26-5	694555-28-7	694555-30-1	694555-32-3	694555-34-5
694555-36-7	694555-38-9	694555-40-3	694555-42-5	694555-44-7
694555-46-9	694555-48-1	694555-50-5	694555-52-7	694555-54-9
694555-56-1	694555-58-3	694555-60-7	694555-62-9	694555-64-1
694555-66-3	694555-68-5	694555-70-9	694555-72-1	694555-74-3
694555-76-5	694555-78-7	694555-80-1	694555-82-3	694555-84-5
694555-86-7	694555-88-9	694555-90-3	694555-92-5	694555-95-8
694555-97-0	694555-99-2	694556-01-9	694556-03-1	694556-05-3
694556-07-5	694556-09-7	694556-11-1	694556-13-3	694556-15-5
694556-17-7	694556-19-9	694556-21-3	694556-23-5	694556-25-7
694556-27-9	694556-29-1	694556-31-5	694556-33-7	694556-35-9
694556-37-1	694556-39-3	694556-41-7	694556-43-9	694556-45-1
694556-47-3	694556-49-5	694556-51-9	694556-53-1	694556-55-3
694556-57-5	694556-59-7	694556-61-1	694556-63-3	694556-65-5
694556-67-7	694556-69-9	694556-71-3	694556-73-5	694556-75-7
694556-77-9	694556-79-1	694556-81-5	694556-83-7	694556-85-9
694556-87-1	694556-89-3	694556-91-7	694556-93-9	694556-95-1
694556-97-3	694556-99-5	694557-01-2	694557-03-4	694557-05-6
694557-07-8	694557-09-0	694557-11-4	694557-13-6	694557-15-8
694557-17-0	694557-19-2	694557-21-6	694557-23-8	694557-25-0
694557-27-2	694557-29-4	694557-31-8	694557-33-0	694557-35-2
694557-37-4	694557-39-6	694557-41-0	694557-43-2	694557-45-4
694557-47-6	694557-49-8	694557-51-2	694557-53-4	694557-55-6
694557-57-8	694557-59-0	694557-61-4	694557-63-6	694557-65-8
694557-67-0	694557-69-2	694557-71-6	694557-73-8	694557-75-0
694557-77-2	694557-79-4	694557-81-8	694557-83-0	694557-85-2
694557-87-4	694557-89-6	694557-91-0	694557-93-2	694557-95-4
694557-97-6	694557-99-8	694558-01-5	694558-03-7	694558-05-9
694558-07-1	694558-09-3	694558-11-7	694558-13-9	694558-15-1
694558-17-3	694558-19-5	694558-21-9	694558-23-1	694558-25-3
694558-27-5	694558-29-7	694558-31-1	694558-33-3	694558-35-5
694558-37-7	694558-39-9	694558-42-4	694558-44-6	694558-46-8
694558-48-0	694558-50-4	694558-52-6	694558-54-8	694558-56-0
694558-58-2	694558-60-6	694558-62-8	694558-64-0	694558-66-2
694558-68-4	694558-70-8	694558-72-0	694558-74-2	694558-76-4
694558-78-6	694558-80-0	694558-82-2	694558-84-4	694558-86-6
694558-89-9	694558-91-3	694558-93-5	694558-95-7	694558-98-0
694559-00-7	694559-02-9	694559-04-1	694559-06-3	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 694559-08-5	694559-10-9	694559-12-1	694559-14-3	694559-16-5
694559-18-7	694559-20-1	694559-23-4	694559-25-6	694559-27-8
694559-30-3	694559-32-5	694559-35-8	694559-37-0	694559-39-2
694559-41-6	694559-43-8	694559-46-1	694559-48-3	694559-50-7
694559-52-9	694559-54-1	694559-56-3	694559-58-5	694559-60-9
694559-62-1	694559-64-3	694559-67-6	694559-70-1	695153-07-2
695153-08-3	695153-09-4	695153-10-7	695153-11-8	695153-12-9
695153-13-0	695153-14-1	695153-15-2	695153-16-3	695153-17-4
695153-18-5	695153-19-6			

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 695153-92-5

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694535-04-1	694535-06-3	694535-08-5	694535-10-9	694535-12-1
	694535-14-3	694535-16-5	694535-18-7	694535-20-1	694535-22-3
	694535-24-5	694535-26-7	694535-28-9	694535-30-3	694535-32-5
	694535-34-7	694535-36-9	694535-38-1	694535-40-5	694535-42-7
	694535-44-9	694535-46-1	694535-48-3	694535-50-7	694535-51-8
	694535-53-0	694535-55-2	694535-57-4	694535-59-6	694535-61-0
	694535-63-2	694535-65-4	694535-67-6	694535-69-8	694535-71-2
	694535-73-4	694535-75-6	694535-77-8	694535-79-0	694535-81-4
	694535-82-5	694535-84-7	694535-86-9	694535-88-1	694535-90-5
	694535-92-7	694535-94-9	694535-96-1	694535-98-3	694536-00-0
	694536-02-2	694536-04-4	694536-06-6	694536-08-8	694536-10-2
	694536-12-4	694536-14-6	694536-16-8	694536-18-0	694536-20-4
	694536-22-6	694536-24-8	694536-26-0	694536-28-2	694536-30-6
	694536-32-8	694536-34-0	694536-36-2	694536-38-4	694536-40-8
	694536-42-0	694536-44-2	694536-46-4	694536-48-6	694536-50-0
	694536-52-2	694536-53-3	694536-55-5	694536-57-7	694536-59-9
	694536-61-3	694536-63-5	694536-65-7	694536-67-9	694536-69-1
	694536-71-5	694536-73-7	694536-74-8	694536-76-0	694536-78-2
	694536-80-6	694536-82-8	694536-84-0	694536-86-2	694536-88-4
	694536-90-8	694536-92-0	694536-94-2	694536-96-4	694536-98-6
	694536-99-7	694537-01-4	694537-03-6	694537-04-7	694537-06-9
	694537-08-1	694537-09-2	694537-11-6	694537-13-8	694537-15-0
	694537-17-2	694537-19-4	694537-21-8	694537-23-0	694537-25-2
	694537-27-4	694537-29-6	694537-31-0	694537-33-2	694537-35-4
	694537-37-6	694537-39-8	694537-41-2	694537-42-3	694537-44-5
	694537-46-7	694537-48-9	694537-50-3	694537-52-5	694537-54-7
	694537-56-9	694537-58-1	694537-60-5	694537-62-7	694537-64-9
	694537-66-1	694537-68-3	694537-70-7	694537-72-9	694537-74-1
	694537-76-3	694537-78-5	694537-80-9	694537-82-1	694537-84-3
	694537-86-5	694537-88-7	694537-89-8	694537-91-2	694537-93-4
	694537-95-6	694537-97-8	694537-99-0	694538-01-7	694538-04-0
	694538-06-2	694538-08-4	694538-10-8	694538-11-9	694538-13-1
	694538-15-3	694538-17-5	694538-19-7	694538-21-1	694538-23-3
	694538-25-5	694538-27-7	694538-29-9	694538-31-3	694538-33-5
	694538-35-7	694538-37-9	694538-39-1	694538-41-5	694538-43-7
	694538-45-9	694538-47-1	694538-49-3	694538-51-7	694538-53-9
	694538-55-1	694538-57-3	694538-59-5	694538-61-9	694538-63-1
	694538-65-3	694538-67-5	694538-69-7	694538-71-1	694538-73-3
	694538-75-5	694538-77-7	694538-79-9	694538-81-3	694538-83-5
	694538-85-7	694538-87-9	694538-89-1	694538-91-5	694538-93-7
	694538-95-9	694538-97-1	694538-99-3	694539-01-0	694539-03-2
	694539-05-4	694539-06-5	694539-08-7	694539-10-1	694539-12-3
	694539-14-5	694539-16-7	694539-18-9	694539-20-3	694539-22-5
	694539-24-7	694539-26-9	694539-27-0	694539-29-2	694539-31-6
	694539-33-8	694539-35-0	694539-37-2	694539-39-4	694539-41-8
	694539-43-0	694539-45-2	694539-47-4	694539-49-6	694539-51-0
	694539-53-2	694539-55-4	694539-57-6	694539-59-8	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694539-61-2	694539-62-3	694539-64-5	694539-66-7	694539-68-9
	694539-70-3	694539-72-5	694539-74-7	694539-76-9	694539-78-1
	694539-80-5	694539-82-7	694539-84-9	694539-85-0	694539-87-2
	694539-89-4	694539-90-7	694539-92-9	694539-94-1	694539-96-3
	694539-98-5	694540-00-6	694540-02-8	694540-04-0	694540-06-2
	694540-08-4	694540-10-8	694540-12-0	694540-14-2	694540-16-4
	694540-18-6	694540-20-0	694540-22-2	694540-24-4	694540-26-6
	694540-28-8	694540-30-2	694540-32-4	694540-34-6	694540-36-8
	694540-38-0	694540-40-4	694540-42-6	694540-44-8	694540-46-0
	694540-48-2	694540-50-6	694540-52-8	694540-54-0	694540-56-2
	694540-58-4	694540-60-8	694540-62-0	694540-64-2	694540-66-4

694540-68-6	694540-70-0	694540-72-2	694540-74-4	694540-76-6
694540-78-8	694540-80-2	694540-82-4	694540-84-6	694540-86-8
694540-88-0	694540-90-4	694540-92-6	694540-94-8	694540-96-0
694540-98-2	694541-00-9	694541-02-1	694541-04-3	694541-06-5
694541-08-7	694541-10-1	694541-12-3	694541-13-4	694541-15-6
694541-17-8	694541-19-0	694541-21-4	694541-23-6	694541-25-8
694541-27-0	694541-29-2	694541-31-6	694541-33-8	694541-35-0
694541-37-2	694541-39-4	694541-41-8	694541-43-0	694541-45-2
694541-47-4	694541-49-6	694541-51-0	694541-53-2	694541-55-4
694541-57-6	694541-59-8	694541-61-2	694541-63-4	694541-65-6
694541-67-8	694541-69-0	694541-71-4	694541-73-6	694541-75-8
694541-77-0	694541-79-2	694541-81-6	694541-82-7	694541-84-9
694541-86-1	694541-88-3	694541-90-7	694541-92-9	694541-94-1
694541-96-3	694541-98-5	694542-00-2	694542-02-4	694542-04-6
694542-06-8	694542-08-0	694542-10-4	694542-12-6	694542-14-8
694542-16-0	694542-18-2	694542-20-6	694542-22-8	694542-24-0
694542-26-2	694542-28-4	694542-30-8	694542-32-0	694542-34-2
694542-36-4	694542-38-6	694542-40-0	694542-42-2	694542-44-4
694542-46-6	694542-48-8	694542-50-2	694542-52-4	694542-54-6
694542-56-8	694542-58-0	694542-60-4	694542-62-6	694542-64-8
694542-66-0	694542-68-2	694542-70-6	694542-72-8	694542-74-0
694542-76-2	694542-78-4	694542-80-8	694542-82-0	694542-84-2
694542-86-4	694542-88-6	694542-90-0	694542-92-2	694542-94-4
694542-96-6	694542-98-8	694543-00-5	694543-02-7	694543-04-9
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694543-76-5	694543-78-7	694543-80-1	694543-82-3	694543-84-5
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694543-96-9	694543-98-1	694544-00-8	694544-02-0	694544-03-1
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 694544-23-5	694544-25-7	694544-27-9	694544-29-1	694544-31-5
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694544-62-2	694544-64-4	694544-66-6	694544-68-8	694544-70-2
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

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694552-94-8	694552-96-0	694552-98-2	694553-00-9	694553-02-1
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694553-13-4	694553-14-5	694553-16-7	694553-18-9	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

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	694554-20-6	694554-22-8	694554-24-0	694554-25-1	694554-27-3
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	694557-54-5	694557-56-7	694557-58-9	694557-60-3	694557-62-5
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT	694557-72-7	694557-74-9	694557-76-1	694557-78-3	694557-80-7
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 694559-65-4 694559-66-5 694559-68-7 694559-69-8

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

IT 694536-72-6

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed genes and encoded proteins in differentiated macrophages that are useful for diagnosis and treatment of immune-related diseases)

RN 694536-72-6 HCAPLUS

CN Immune-related disease-associated protein PRO730 (human) (9CI) (CA INDEX NAME)

SEQ 1 MGQCGITSSK TVLVFLNLIF WGAAGILCYV GAYVFITYDD YDHFFEDVYT  
 51 LIPAVVIAV GALLFIIGLI GCCATIRESR CGLATFVIL LLVFTVEVV  
 101 VVLGYVYRAK VENEVDRSIQ KVKTYNGTN PDAASRAIDY VQRQLHCCGI  
 151 HNYSDWENTD WFKETKNQSV PLSCCRETAS NCNGSLAHPD DLYAEGCEAL  
 201 VVKKLQEIIM HVIWAALAF A IQLLGMLCA CIVLCRRSRD PAYELLITGG  
 251 TYA

L9 ANSWER 6 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:392574 HCAPLUS

DN 140:405466

ED Entered STN: 14 May 2004

TI Differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases

IN Aggarwal, Sudeepta; Clark, Hilary; Gurney, Austin L.; Schoenfeld, Jill; Williams, P. Mickey; Wood, William I.; Wu, Thomas D.

PA Genentech, Inc., USA

SO PCT Int. Appl., 3009 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N

CC 15-1 (Immunochimistry)

Section cross-reference(s): 1, 3, 6

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004039956	A2	20040513	WO 2003-US34381	20031028

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,  
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2503330 AA 20040513 CA 2003-2503330 20031028  
 PRAI US 2002-422472P P 20021029  
 WO 2003-US34381 W 20031028

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2004039956	ICM	C12N
WO 2004039956	ECLA	C07K014/47

AB The present invention relates to compns. containing novel proteins and methods of using those compns. for the diagnosis and treatment of immune-related diseases. Various polypeptides of the present invention are significantly differentially expressed in isolated CD45RO cells activated by anti-CD3/anti-CD28 as compared to isolated resting CD45RO cells, isolated resting CD45RA cell, and isolated CD45RA cells activated by anti-CD3/anti-CD28 antibodies.

ST gene expression profile immune response activation CD45RO; antibody CD33 CD28 immune response gene expression; diagnosis immune disease gene expression profile; therapy immune disease gene expression profile

IT DNA microarray technology

Gene expression profiles, animal

(Affimax microarray chips; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT CD28 (antigen)

CD3 (antigen)

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(CD45RO cells activated by antibodies to; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Animal cell line

(CHO, recombinant expression host; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Nervous system, disease

(Guillain-Barre syndrome; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Intestine, disease

(Whipple's; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Allergy

Inflammation

Nose, disease

(allergic rhinitis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Antibodies and Immunoglobulins

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(anti-CD3/anti-CD28; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Dermatitis

(atopic; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Anemia (disease)  
 Autoimmune disease  
 (autoimmune hemolytic anemia; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Skin, disease  
 (autoimmune or immune-mediated; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Autoimmune disease  
 (autoimmune thrombocytopenia; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Hepatitis  
 (autoimmune; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Skin, disease  
 (bullous; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Nervous system, disease  
 (central, demyelination; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Epitopes  
 (chimeric proteins; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Infection  
 (chronic active hepatitis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Nervous system, disease  
 (chronic inflammatory demyelinating polyneuropathy; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Dermatitis  
 (contact; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Allergy  
 Anti-inflammatory agents  
 Asthma  
 Biliary tract, disease  
 Celiac disease  
 Diabetes mellitus  
 Diagnosis  
 Drug screening  
 Drug targets  
 Food allergy  
 Human  
 Immunoassay  
 Immunomodulators  
 Inflammation  
 Molecular cloning  
 Osteoarthritis  
 Protein sequences  
 Psoriasis  
 Rheumatoid arthritis  
 Sarcoidosis  
 Sjogren's syndrome  
 Transplant rejection  
 Urticaria  
 Vaccines  
 cDNA sequences

- (differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT CD45RA (antigen)
- CD45RO (antigen)
- RL: BSU (Biological study, unclassified); BIOL (Biological study)
- (differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
- RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
- (differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antisense nucleic acids
- RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
- (differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Platelet (blood)
- (disease, autoimmune thrombocytopenia; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Immunity
- (disorder; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease
- (eosinophilia; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease
- (fibrosis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
- RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
- (fusion products; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Genetic methods
- (gene discovery; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Transplant and Transplantation
- (graft-vs.-host reaction; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Hepatitis
- (granulomatous; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins
- RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
- (humanized; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Allergy
- Inflammation
- Lung, disease
- (hypersensitivity pneumonitis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease
- (idiopathic demyelinating polyneuropathy; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

- IT Muscle, disease  
(idiopathic inflammatory myopathy; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Proteins  
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(immune response-regulated; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Kidney, disease  
(immune-related; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Lung, disease  
(immunol.; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Intestine, disease  
(inflammatory; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Rheumatoid arthritis  
(juvenile; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(monoclonal; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Erythema  
(multiforme; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Nervous system, disease  
(peripheral, demyelination; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Biliary tract, disease  
(primary biliary cirrhosis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Fibrosis  
(pulmonary; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Escherichia coli  
Yeast  
(recombinant expression host; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Connective tissue, disease  
(scleroderma; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Biliary tract, disease  
Inflammation  
(sclerosing cholangitis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(single chain; differentially expressed nucleic acids and their encoded

proteins useful for the diagnosis and treatment of immune-related diseases)

IT Spinal column, disease  
(spondyloarthropathy; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Lupus erythematosus  
(systemic; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Inflammation  
Thyroid gland, disease  
(thyroiditis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Disease, animal  
(transplantation-associated; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Blood vessel, disease  
Inflammation  
(vasculitis; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Hepatitis  
(viral, chronic active; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT Fusion proteins (chimeric proteins)  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(with epitope tags or Ig Fc regions; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT 221104-65-0 269745-28-0 588727-12-2 678990-33-5 678990-93-7  
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

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 RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; differentially expressed nucleic acids and their  
 encoded proteins useful for the diagnosis and treatment of  
 immune-related diseases)

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	688825-07-2	688825-09-4	688825-11-8	688825-13-0	688825-15-2
	688825-17-4	688825-19-6	688825-21-0	688825-23-2	688825-25-4
	688825-27-6	688825-29-8	688825-31-2	688825-33-4	688825-35-6
	688825-37-8	688825-39-0	688825-41-4	688825-43-6	688825-45-8
	688825-47-0	688825-49-2	688825-51-6	688825-53-8	688825-55-0
	688825-57-2	688825-59-4	688825-61-8	688825-63-0	688825-65-2
	688825-67-4	688825-69-6	688825-71-0	688825-73-2	688825-75-4
	688825-77-6	688825-79-8	688825-81-2	688825-83-4	688825-85-6
	688825-87-8	688825-89-0	688825-91-4	688825-93-6	688825-95-8
	688825-97-0	688825-99-2	688826-01-9	688826-03-1	688826-05-3
	688826-07-5	688826-09-7	688826-11-1	688826-13-3	688826-15-5
	688826-17-7	688826-19-9	688826-21-3	688826-23-5	688826-25-7
	688826-27-9	688826-29-1	688826-31-5	688826-33-7	688826-35-9
	688826-37-1	688826-39-3	688826-41-7	688826-43-9	688826-45-1
	688826-47-3	688826-49-5	688826-51-9	688826-53-1	688826-55-3
	688826-57-5	688826-59-7	688826-61-1	688826-63-3	688826-65-5
	688826-67-7	688826-69-9	688826-71-3	688826-73-5	688826-75-7
	688826-77-9	688826-79-1	688826-82-6	688826-84-8	688826-86-0
	688826-88-2	688826-90-6	688826-92-8	688826-94-0	688826-96-2
	688826-98-4	688827-00-1	688827-02-3	688827-04-5	688827-06-7
	688827-08-9	688827-10-3	688827-12-5	688827-14-7	688827-16-9
	688827-18-1	688827-20-5	688827-22-7	688827-24-9	688827-26-1

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; differentially expressed nucleic acids and their  
 encoded proteins useful for the diagnosis and treatment of  
 immune-related diseases)

IT	688827-28-3	688827-30-7	688827-32-9	688827-34-1	688827-36-3
	688827-38-5	688827-40-9	688827-42-1	688827-44-3	688827-46-5
	688827-48-7	688827-51-2	688827-53-4	688827-55-6	688827-57-8
	688827-59-0	688827-61-4	688827-63-6	688827-65-8	688827-67-0
	688827-69-2	688827-71-6	688827-73-8	688827-75-0	688827-77-2
	688827-79-4	688827-81-8	688827-83-0	688827-85-2	688827-87-4
	688827-89-6	688827-91-0	688827-93-2	688827-95-4	688827-97-6
	688827-99-8	688828-01-5	688828-03-7	688828-05-9	688828-07-1

688828-09-3	688828-11-7	688828-13-9	688828-15-1	688828-17-3
688828-19-5	688828-21-9	688828-23-1	688828-25-3	688828-27-5
688828-29-7	688828-31-1	688828-33-3	688828-35-5	688828-37-7
688828-39-9	688828-41-3	688828-43-5	688828-45-7	688828-47-9
688828-49-1	688828-51-5	688828-53-7	688828-55-9	688828-57-1
688828-59-3	688828-61-7	688828-63-9	688828-65-1	688828-67-3
688828-69-5	688828-71-9	688828-73-1	688828-75-3	688828-77-5
688828-79-7	688828-81-1	688828-83-3	688828-85-5	688828-87-7
688828-90-2	688828-93-5	688828-96-8	688828-99-1	688829-01-8
688829-03-0	688829-06-3	688829-08-5	688829-11-0	688829-13-2
688829-15-4	688829-18-7	688829-21-2	688829-23-4	688829-26-7
688829-29-0	688829-31-4	688829-34-7	688829-37-0	688829-39-2
688829-41-6	688829-43-8	688829-47-2	688829-50-7	688829-55-2
688829-57-4	688829-59-6	688829-61-0	688829-63-2	688829-65-4
688829-67-6	688829-69-8	688829-72-3	688829-74-5	688829-77-8
688829-79-0	688829-81-4	688829-83-6	688829-85-8	688829-87-0
688829-89-2	688829-92-7	688829-94-9	688829-96-1	688830-01-5
688830-03-7	688830-05-9	688830-08-2	688830-10-6	688830-12-8
688830-14-0	688830-16-2	688830-18-4	688830-20-8	688830-22-0
688830-25-3	688830-28-6	688830-30-0	688830-32-2	688830-34-4
688830-37-7	688830-39-9	688830-41-3	688830-43-5	688830-46-8
688830-48-0	688830-50-4	688830-52-6	688830-54-8	688830-56-0
688830-58-2	688830-60-6	688830-64-0	688830-66-2	688830-68-4
688830-70-8	688830-73-1	688830-75-3	688830-77-5	688830-79-7
688830-81-1	688830-83-3	688830-85-5	688830-87-7	688830-89-9
688830-91-3	688830-93-5	688830-96-8	688830-99-1	688831-01-8
688831-03-0	688831-06-3	688831-09-6	688831-11-0	688831-13-2
688831-15-4	688831-17-6	688831-19-8	688831-21-2	688831-23-4
688831-25-6	688831-27-8	688831-29-0	688831-31-4	688831-33-6
688831-35-8	688831-37-0	688831-40-5	688831-42-7	688831-48-3
688831-51-8	688831-54-1	688831-56-3	688831-58-5	688831-61-0
688831-63-2	688831-65-4	688831-68-7	688831-72-3	688831-77-8
688831-79-0	688831-81-4	688831-83-6	688831-86-9	688831-88-1
688831-90-5	688831-92-7	688831-96-1	688831-99-4	688832-01-1
688832-04-4	688832-06-6	688832-09-9	688832-12-4	688832-14-6
688832-16-8	688832-19-1	688832-21-5	688832-23-7	688832-25-9
688832-27-1	688832-29-3	688832-32-8	688832-34-0	688832-36-2
688832-38-4	688832-40-8	688832-42-0	688832-44-2	688832-46-4
688832-48-6	688832-50-0	688832-52-2	688832-54-4	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT	688832-56-6	688832-58-8	688832-60-2	688832-62-4	688832-64-6
	688832-66-8	688832-68-0	688832-70-4	688832-72-6	688832-74-8
	688832-76-0	688832-78-2	688832-80-6	688832-82-8	688832-83-9
	688832-85-1	688832-87-3	688832-89-5	688832-91-9	688832-93-1
	688832-95-3	688832-97-5	688832-99-7	688833-01-4	688833-03-6
	688833-05-8	688833-07-0	688833-09-2	688833-11-6	688833-13-8
	688833-15-0	688833-17-2	688833-19-4	688833-21-8	688833-23-0
	688833-25-2	688833-27-4	688833-29-6	688833-31-0	688833-33-2
	688833-35-4	688833-37-6	688833-39-8	688833-41-2	688833-43-4
	688833-45-6	688833-47-8	688833-49-0	688833-51-4	688833-53-6
	688833-55-8	688833-57-0	688833-59-2	688833-61-6	688833-63-8
	688833-65-0	688833-67-2	688833-69-4	688833-71-8	688833-73-0
	688833-75-2	688833-77-4	688833-79-6	688833-81-0	688833-83-2
	688833-85-4	688833-87-6	688833-89-8	688833-91-2	688833-93-4
	688833-95-6	688833-97-8	688833-99-0	688834-01-7	688834-03-9
	688834-05-1	688834-07-3	688834-09-5	688834-11-9	688834-13-1
	688834-15-3	688834-17-5	688834-19-7	688834-21-1	688834-23-3
	688834-25-5	688834-27-7	688834-29-9	688834-31-3	688834-33-5
	688834-35-7	688834-37-9	688834-39-1	688834-41-5	688834-43-7
	688834-45-9	688834-48-2	688834-50-6	688834-52-8	688834-55-1
	688834-57-3	688834-60-8	688834-62-0	688834-64-2	688834-66-4
	688834-68-6	688834-70-0	688834-72-2	688834-75-5	688834-77-7

688834-79-9	688834-81-3	688834-83-5	688834-85-7	688834-88-0
688834-91-5	688834-93-7	688834-96-0	688834-98-2	688835-00-9
688835-02-1	688835-04-3	688835-06-5	688835-08-7	688835-10-1
688835-12-3	688835-14-5	688835-16-7	688835-18-9	688835-20-3
688835-22-5	688835-24-7	688835-26-9	688835-28-1	688835-30-5
688835-32-7	688835-34-9	688835-36-1	688835-38-3	688835-40-7
688835-42-9	688835-44-1	688835-46-3	688835-48-5	688835-50-9
688835-52-1	688835-54-3	688835-56-5	688835-58-7	688835-60-1
688835-62-3	688835-64-5	688835-66-7	688835-68-9	688835-70-3
688835-72-5	688835-74-7	688835-76-9	688835-78-1	688835-80-5
688835-82-7	688835-85-0	688835-87-2	688835-89-4	688835-91-8
688835-94-1	688835-96-3	688835-98-5	688836-00-2	688836-03-5
688836-05-7	688836-07-9	688836-09-1	688836-11-5	688836-13-7
688836-15-9	688836-17-1	688836-19-3	688836-21-7	688836-23-9
688836-25-1	688836-27-3	688836-29-5	688836-31-9	688836-33-1
688836-35-3	688836-37-5	688836-39-7	688836-41-1	688836-43-3
688836-45-5	688836-47-7	688836-49-9	688836-51-3	688836-53-5
688836-55-7	688836-57-9	688836-60-4	688836-62-6	688836-65-9
688836-68-2	688836-70-6	688836-73-9	688836-75-1	688836-78-4
688836-80-8	688836-84-2	688836-86-4	688836-90-0	688836-93-3
688836-96-6	688836-99-9	688837-01-6	688837-03-8	688837-05-0
688837-07-2	688837-11-8	688837-13-0	688837-15-2	688837-17-4
688837-19-6	688837-21-0	688837-23-2		

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT 688813-43-6	688813-45-8	688813-47-0	688813-49-2	688813-51-6
688813-53-8	688813-55-0	688813-57-2	688813-59-4	688813-61-8
688813-63-0	688813-65-2	688813-67-4	688813-69-6	688813-71-0
688813-73-2	688813-75-4	688813-77-6	688813-79-8	688813-81-2
688813-83-4	688813-85-6	688813-87-8	688813-89-0	688813-91-4
688813-93-6	688813-95-8	688813-97-0	688813-99-2	688814-01-9
688814-03-1	688814-05-3	688814-07-5	688814-09-7	688814-11-1
688814-13-3	688814-15-5	688814-17-7	688814-19-9	688814-21-3
688814-23-5	688814-25-7	688814-27-9	688814-29-1	688814-31-5
688814-33-7	688814-35-9	688814-37-1	688814-39-3	688814-41-7
688814-43-9	688814-45-1	688814-47-3	688814-49-5	688814-51-9
688814-53-1	688814-54-2	688814-56-4	688814-58-6	688814-59-7
688814-61-1	688814-63-3	688814-65-5	688814-67-7	688814-69-9
688814-71-3	688814-73-5	688814-75-7	688814-77-9	688814-78-0
688814-80-4	688814-82-6	688814-84-8	688814-86-0	688814-88-2
688814-90-6	688814-92-8	688814-94-0	688814-96-2	688814-98-4
688815-00-1	688815-02-3	688815-04-5	688815-06-7	688815-08-9
688815-10-3	688815-12-5	688815-14-7	688815-16-9	688815-18-1
688815-20-5	688815-22-7	688815-24-9	688815-26-1	688815-28-3
688815-31-8	688815-33-0	688815-35-2	688815-37-4	688815-39-6
688815-41-0	688815-43-2	688815-45-4	688815-47-6	688815-49-8
688815-51-2	688815-53-4	688815-55-6	688815-57-8	688815-59-0
688815-61-4	688815-63-6	688815-65-8	688815-67-0	688815-69-2
688815-71-6	688815-73-8	688815-75-0	688815-77-2	688815-79-4
688815-81-8	688815-83-0	688815-85-2	688815-87-4	688815-88-5
688815-90-9	688815-92-1	688815-94-3	688815-96-5	688815-98-7
688816-00-4	688816-02-6	688816-04-8	688816-06-0	688816-08-2
688816-10-6	688816-12-8	688816-14-0	688816-16-2	688816-18-4
688816-20-8	688816-22-0	688816-24-2	688816-26-4	688816-28-6
688816-30-0	688816-32-2	688816-34-4	688816-36-6	688816-38-8
688816-40-2	688816-42-4	688816-44-6	688816-45-7	688816-47-9
688816-49-1	688816-51-5	688816-53-7	688816-55-9	688816-57-1
688816-59-3	688816-61-7	688816-63-9	688816-65-1	688816-67-3
688816-69-5	688816-71-9	688816-73-1	688816-75-3	688816-77-5
688816-79-7	688816-81-1	688816-83-3	688816-85-5	688816-87-7
688816-89-9	688816-91-3	688816-93-5	688816-95-7	688816-97-9
688816-99-1	688817-01-8	688817-03-0	688817-05-2	688817-07-4
688817-09-6	688817-11-0	688817-13-2	688817-15-4	688817-17-6

688817-19-8	688817-21-2	688817-23-4	688817-25-6	688817-27-8
688817-29-0	688817-31-4	688817-33-6	688817-35-8	688817-37-0
688817-39-2	688817-41-6	688817-43-8	688817-45-0	688817-47-2
688817-49-4	688817-51-8	688817-53-0	688817-55-2	688817-57-4
688817-59-6	688817-61-0	688817-63-2	688817-65-4	688817-67-6
688817-69-8	688817-71-2	688817-73-4	688817-75-6	688817-77-8
688817-79-0	688817-81-4	688817-83-6	688817-85-8	688817-87-0
688817-89-2	688817-91-6	688817-93-8	688817-95-0	688817-97-2
688817-99-4	688818-01-1	688818-03-3	688818-05-5	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT	688818-07-7	688818-09-9	688818-11-3	688818-13-5	688818-15-7
	688818-17-9	688818-19-1	688818-21-5	688818-23-7	688818-25-9
	688818-27-1	688818-29-3	688818-31-7	688818-33-9	688818-35-1
	688818-37-3	688818-39-5	688818-41-9	688818-43-1	688818-45-3
	688818-47-5	688818-49-7	688818-51-1	688818-53-3	688818-55-5
	688818-57-7	688818-59-9	688818-61-3	688818-63-5	688818-65-7
	688818-67-9	688818-69-1	688818-71-5	688818-73-7	688818-75-9
	688818-77-1	688818-79-3	688818-81-7	688818-82-8	688818-84-0
	688818-86-2	688818-88-4	688818-90-8	688818-92-0	688818-94-2
	688818-96-4	688818-98-6	688819-00-3	688819-02-5	688819-04-7
	688819-06-9	688819-08-1	688819-10-5	688819-12-7	688819-14-9
	688819-16-1	688819-18-3	688819-20-7	688819-22-9	688819-24-1
	688819-26-3	688819-28-5	688819-30-9	688819-32-1	688819-34-3
	688819-36-5	688819-38-7	688819-40-1	688819-42-3	688819-44-5
	688819-46-7	688819-48-9	688819-50-3	688819-52-5	688819-54-7
	688819-56-9	688819-58-1	688819-60-5	688819-62-7	688819-64-9
	688819-66-1	688819-68-3	688819-70-7	688819-72-9	688819-74-1
	688819-76-3	688819-78-5	688819-80-9	688819-82-1	688819-84-3
	688819-86-5	688819-88-7	688819-90-1	688819-92-3	688819-94-5
	688819-96-7	688819-98-9	688820-00-0	688820-02-2	688820-04-4
	688820-06-6	688820-08-8	688820-10-2	688820-12-4	688820-14-6
	688820-16-8	688820-18-0	688820-20-4	688820-22-6	688820-24-8
	688820-26-0	688820-28-2	688820-30-6	688820-32-8	688820-34-0
	688820-36-2	688820-38-4	688820-40-8	688820-42-0	688820-44-2
	688820-46-4	688820-48-6	688820-50-0	688820-52-2	688820-54-4
	688820-56-6	688820-58-8	688820-60-2	688820-62-4	688820-64-6
	688820-66-8	688820-68-0	688820-70-4	688820-72-6	688820-74-8
	688820-76-0	688820-78-2	688820-80-6	688820-82-8	688820-84-0
	688820-86-2	688820-88-4	688820-90-8	688820-92-0	688820-94-2
	688820-96-4	688820-98-6	688821-00-3	688821-02-5	688821-04-7
	688821-06-9	688821-08-1	688821-10-5	688821-12-7	688821-14-9
	688821-16-1	688821-18-3	688821-20-7	688821-22-9	688821-24-1
	688821-26-3	688821-28-5	688821-30-9	688821-32-1	688821-34-3
	688821-36-5	688821-38-7	688821-40-1	688821-42-3	688821-44-5
	688821-46-7	688821-48-9	688821-50-3	688821-52-5	688821-54-7
	688821-56-9	688821-58-1	688821-60-5	688821-62-7	688821-64-9
	688821-66-1	688821-68-3	688821-70-7	688821-72-9	688821-74-1
	688821-76-3	688821-78-5	688821-80-9	688821-82-1	688821-84-3
	688821-86-5	688821-87-6	688821-89-8	688821-91-2	688821-93-4
	688821-95-6	688821-97-8	688821-99-0	688822-01-7	688822-03-9
	688822-05-1	688822-07-3	688822-09-5	688822-11-9	688822-13-1
	688822-15-3	688822-17-5	688822-19-7	688822-21-1	688822-23-3
	688822-25-5	688822-27-7	688822-29-9	688822-31-3	688822-33-5
	688822-35-7	688822-37-9	688822-39-1	688822-41-5	688822-43-7
	688822-45-9	688822-47-1	688822-49-3	688822-51-7	688822-53-9
	688822-55-1	688822-57-3	688822-59-5	688822-61-9	688822-63-1
	688822-66-4	688822-68-6	688822-70-0	688822-71-1	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT	688822-73-3	688822-75-5	688822-77-7	688822-79-9	688822-81-3
	688822-83-5	688822-85-7	688822-86-8	688822-88-0	688822-89-1
	688822-90-4	688822-92-6	688822-93-7	688822-95-9	688822-97-1
	688822-98-2	688823-00-9	688823-02-1	688823-04-3	688823-06-5
	688823-07-6	688823-09-8	688823-11-2	688823-13-4	688823-14-5
	688823-16-7	688823-18-9	688823-20-3	688823-21-4	688823-23-6
	688823-25-8	688823-27-0	688823-28-1	688823-29-2	688823-30-5
	688823-32-7	688823-34-9	688823-36-1	688823-38-3	688823-40-7
	688823-42-9	688823-44-1	688823-46-3	688823-48-5	688823-50-9
	688823-51-0	688823-52-1	688823-53-2	688823-55-4	688823-56-5
	688823-58-7	688823-60-1	688823-62-3	688823-64-5	688823-66-7
	688823-68-9	688823-69-0	688823-71-4	688823-73-6	688823-75-8
	688823-76-9	688823-78-1	688823-80-5	688823-82-7	688823-84-9
	688823-86-1	688823-88-3	688823-90-7	688823-92-9	688823-94-1
	688823-96-3	688823-98-5	688824-00-2	688824-02-4	688824-04-6
	688824-06-8	688824-08-0	688824-10-4	688824-12-6	688824-14-8
	688824-16-0	688824-18-2	688824-20-6	688824-22-8	688824-23-9
	688824-25-1	688824-27-3	688824-29-5	688824-31-9	688824-33-1
	688824-35-3	688824-37-5	688824-38-6	688824-40-0	688824-42-2
	688824-44-4	688824-45-5	688824-47-7	688824-49-9	688824-50-2
	688824-52-4	688824-54-6	688824-56-8	688824-57-9	688824-59-1
	688824-61-5	688824-62-6	688824-63-7	688824-65-9	688824-67-1
	688824-69-3	688824-71-7	688824-73-9	688824-75-1	688824-77-3
	688824-79-5	688824-80-8	688824-82-0	688824-84-2	688824-86-4
	688824-88-6	688824-90-0	688824-92-2	688824-94-4	688824-96-6
	688824-98-8	688825-00-5	688825-02-7	688825-04-9	688825-06-1
	688825-08-3	688825-10-7	688825-12-9	688825-14-1	688825-16-3
	688825-18-5	688825-20-9	688825-22-1	688825-24-3	688825-26-5
	688825-28-7	688825-30-1	688825-32-3	688825-34-5	688825-36-7
	688825-38-9	688825-40-3	688825-42-5	688825-44-7	688825-46-9
	688825-48-1	688825-50-5	688825-52-7	688825-54-9	688825-56-1
	688825-58-3	688825-60-7	688825-62-9	688825-64-1	688825-66-3
	688825-68-5	688825-70-9	688825-72-1	688825-74-3	688825-76-5
	688825-78-7	688825-80-1	688825-82-3	688825-84-5	688825-86-7
	688825-88-9	688825-90-3	688825-92-5	688825-94-7	688825-96-9
	688825-98-1	688826-00-8	688826-02-0	688826-04-2	688826-06-4
	688826-08-6	688826-10-0	688826-12-2	688826-14-4	688826-16-6
	688826-18-8	688826-20-2	688826-22-4	688826-24-6	688826-26-8
	688826-28-0	688826-30-4	688826-32-6	688826-34-8	688826-36-0
	688826-38-2	688826-40-6	688826-42-8	688826-44-0	688826-46-2
	688826-48-4	688826-50-8	688826-52-0	688826-54-2	688826-56-4
	688826-58-6	688826-60-0	688826-62-2	688826-64-4	688826-66-6
	688826-68-8	688826-70-2	688826-72-4	688826-74-6	688826-76-8
	688826-78-0	688826-80-4	688826-81-5	688826-83-7	688826-85-9
	688826-87-1	688826-89-3	688826-91-7	688826-93-9	688826-95-1
	688826-97-3	688826-99-5	688827-01-2	688827-03-4	688827-05-6
	688827-07-8	688827-09-0	688827-11-4	688827-13-6	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT	688827-15-8	688827-17-0	688827-19-2	688827-21-6	688827-23-8
	688827-25-0	688827-27-2	688827-29-4	688827-31-8	688827-33-0
	688827-35-2	688827-37-4	688827-39-6	688827-41-0	688827-43-2
	688827-45-4	688827-47-6	688827-49-8	688827-50-1	688827-52-3
	688827-54-5	688827-56-7	688827-58-9	688827-60-3	688827-62-5
	688827-64-7	688827-66-9	688827-68-1	688827-70-5	688827-72-7
	688827-74-9	688827-76-1	688827-78-3	688827-80-7	688827-82-9
	688827-84-1	688827-86-3	688827-88-5	688827-90-9	688827-92-1
	688827-94-3	688827-96-5	688827-98-7	688828-00-4	688828-02-6
	688828-04-8	688828-06-0	688828-08-2	688828-10-6	688828-12-8
	688828-14-0	688828-16-2	688828-18-4	688828-20-8	688828-22-0
	688828-24-2	688828-26-4	688828-28-6	688828-30-0	688828-32-2
	688828-34-4	688828-36-6	688828-38-8	688828-40-2	688828-42-4
	688828-44-6	688828-46-8	688828-48-0	688828-50-4	688828-52-6

688828-54-8	688828-56-0	688828-58-2	688828-60-6	688828-62-8
688828-64-0	688828-66-2	688828-68-4	688828-70-8	688828-72-0
688828-74-2	688828-76-4	688828-78-6	688828-80-0	688828-82-2
688828-84-4	688828-86-6	688828-88-8	688828-89-9	688828-91-3
688828-92-4	688828-94-6	688828-95-7	688828-97-9	688828-98-0
688829-00-7	688829-02-9	688829-04-1	688829-05-2	688829-07-4
688829-09-6	688829-10-9	688829-12-1	688829-14-3	688829-16-5
688829-17-6	688829-19-8	688829-20-1	688829-22-3	688829-24-5
688829-25-6	688829-27-8	688829-28-9	688829-30-3	688829-32-5
688829-33-6	688829-35-8	688829-36-9	688829-38-1	688829-40-5
688829-42-7	688829-44-9	688829-45-0	688829-46-1	688829-48-3
688829-49-4	688829-51-8	688829-52-9	688829-53-0	688829-54-1
688829-56-3	688829-58-5	688829-60-9	688829-62-1	688829-64-3
688829-66-5	688829-68-7	688829-70-1	688829-71-2	688829-73-4
688829-75-6	688829-76-7	688829-78-9	688829-80-3	688829-82-5
688829-84-7	688829-86-9	688829-88-1	688829-90-5	688829-91-6
688829-93-8	688829-95-0	688829-97-2	688829-98-3	688829-99-4
688830-00-4	688830-02-6	688830-04-8	688830-06-0	688830-07-1
688830-09-3	688830-11-7	688830-13-9	688830-15-1	688830-17-3
688830-19-5	688830-21-9	688830-23-1	688830-24-2	688830-26-4
688830-27-5	688830-29-7	688830-31-1	688830-33-3	688830-35-5
688830-36-6	688830-38-8	688830-40-2	688830-42-4	688830-44-6
688830-45-7	688830-47-9	688830-49-1	688830-51-5	688830-53-7
688830-55-9	688830-57-1	688830-59-3	688830-61-7	688830-62-8
688830-63-9	688830-65-1	688830-67-3	688830-69-5	688830-71-9
688830-72-0	688830-74-2	688830-76-4	688830-78-6	688830-80-0
688830-82-2	688830-84-4	688830-86-6	688830-88-8	688830-90-2
688830-92-4	688830-94-6	688830-95-7	688830-97-9	688830-98-0
688831-00-7	688831-02-9	688831-04-1	688831-05-2	688831-07-4
688831-08-5	688831-10-9	688831-12-1	688831-14-3	688831-16-5
688831-18-7	688831-20-1	688831-22-3	688831-24-5	688831-26-7
688831-28-9	688831-30-3	688831-32-5	688831-34-7	688831-36-9
688831-38-1	688831-39-2	688831-41-6	688831-43-8	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT 688831-44-9	688831-45-0	688831-46-1	688831-47-2	688831-49-4
688831-50-7	688831-52-9	688831-53-0	688831-55-2	688831-57-4
688831-59-6	688831-60-9	688831-62-1	688831-64-3	688831-66-5
688831-67-6	688831-69-8	688831-70-1	688831-71-2	688831-73-4
688831-74-5	688831-75-6	688831-76-7	688831-78-9	688831-80-3
688831-82-5	688831-84-7	688831-85-8	688831-87-0	688831-89-2
688831-91-6	688831-93-8	688831-94-9	688831-95-0	688831-97-2
688831-98-3	688832-00-0	688832-02-2	688832-03-3	688832-05-5
688832-07-7	688832-08-8	688832-10-2	688832-11-3	688832-13-5
688832-15-7	688832-17-9	688832-18-0	688832-20-4	688832-22-6
688832-24-8	688832-26-0	688832-28-2	688832-30-6	688832-31-7
688832-33-9	688832-35-1	688832-37-3	688832-39-5	688832-41-9
688832-43-1	688832-45-3	688832-47-5	688832-49-7	688832-51-1
688832-53-3	688832-55-5	688832-57-7	688832-59-9	688832-61-3
688832-63-5	688832-65-7	688832-67-9	688832-69-1	688832-71-5
688832-73-7	688832-75-9	688832-77-1	688832-79-3	688832-81-7
688832-84-0	688832-86-2	688832-88-4	688832-90-8	688832-92-0
688832-94-2	688832-96-4	688832-98-6	688833-00-3	688833-02-5
688833-04-7	688833-06-9	688833-08-1	688833-10-5	688833-12-7
688833-14-9	688833-16-1	688833-18-3	688833-20-7	688833-22-9
688833-24-1	688833-26-3	688833-28-5	688833-30-9	688833-32-1
688833-34-3	688833-36-5	688833-38-7	688833-40-1	688833-42-3
688833-44-5	688833-46-7	688833-48-9	688833-50-3	688833-52-5
688833-54-7	688833-56-9	688833-58-1	688833-60-5	688833-62-7
688833-64-9	688833-66-1	688833-68-3	688833-70-7	688833-72-9
688833-74-1	688833-76-3	688833-78-5	688833-80-9	688833-82-1
688833-84-3	688833-86-5	688833-88-7	688833-90-1	688833-92-3
688833-94-5	688833-96-7	688833-98-9	688834-00-6	688834-02-8

688834-04-0	688834-06-2	688834-08-4	688834-10-8	688834-12-0
688834-14-2	688834-16-4	688834-18-6	688834-20-0	688834-22-2
688834-24-4	688834-26-6	688834-28-8	688834-30-2	688834-32-4
688834-34-6	688834-36-8	688834-38-0	688834-40-4	688834-42-6
688834-44-8	688834-46-0	688834-47-1	688834-49-3	688834-51-7
688834-53-9	688834-54-0	688834-56-2	688834-58-4	688834-59-5
688834-61-9	688834-63-1	688834-65-3	688834-67-5	688834-69-7
688834-71-1	688834-73-3	688834-74-4	688834-76-6	688834-78-8
688834-80-2	688834-82-4	688834-84-6	688834-86-8	688834-87-9
688834-89-1	688834-90-4	688834-92-6	688834-94-8	688834-95-9
688834-97-1	688834-99-3	688835-01-0	688835-03-2	688835-05-4
688835-07-6	688835-09-8	688835-11-2	688835-13-4	688835-15-6
688835-17-8	688835-19-0	688835-21-4	688835-23-6	688835-25-8
688835-27-0	688835-29-2	688835-31-6	688835-33-8	688835-35-0
688835-37-2	688835-39-4	688835-41-8	688835-43-0	688835-45-2
688835-47-4	688835-49-6	688835-51-0	688835-53-2	688835-55-4
688835-57-6	688835-59-8	688835-61-2	688835-63-4	688835-65-6
688835-67-8	688835-69-0	688835-71-4	688835-73-6	688835-75-8
688835-77-0	688835-79-2	688835-81-6	688835-83-8	

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT	688835-84-9	688835-86-1	688835-88-3	688835-90-7	688835-92-9
	688835-93-0	688835-95-2	688835-97-4	688835-99-6	688836-01-3
	688836-02-4	688836-04-6	688836-06-8	688836-08-0	688836-10-4
	688836-12-6	688836-14-8	688836-16-0	688836-18-2	688836-20-6
	688836-22-8	688836-24-0	688836-26-2	688836-28-4	688836-30-8
	688836-32-0	688836-34-2	688836-36-4	688836-38-6	688836-40-0
	688836-42-2	688836-44-4	688836-46-6	688836-48-8	688836-50-2
	688836-52-4	688836-54-6	688836-56-8	688836-58-0	688836-59-1
	688836-61-5	688836-63-7	688836-64-8	688836-66-0	688836-67-1
	688836-69-3	688836-71-7	688836-72-8	688836-74-0	688836-76-2
	688836-77-3	688836-79-5	688836-81-9	688836-82-0	688836-83-1
	688836-85-3	688836-87-5	688836-88-6	688836-89-7	688836-91-1
	688836-92-2	688836-94-4	688836-95-5	688836-97-7	688836-98-8
	688837-00-5	688837-02-7	688837-04-9	688837-06-1	688837-08-3
	688837-09-4	688837-10-7	688837-12-9	688837-14-1	688837-16-3
	688837-18-5	688837-20-9	688837-22-1		

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

IT 688824-60-4

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amino acid sequence; differentially expressed nucleic acids and their encoded proteins useful for the diagnosis and treatment of immune-related diseases)

RN 688824-60-4 HCAPLUS

CN Immune response-regulated protein (human clone WO2004039956-SEQID-1138) (9CI) (CA INDEX NAME)

SEQ 1 MGRSGKLPSPG VSAKLKRWKK GHSSDSNPAT CRHRQAARSR FFSRPSGRSD  
51 LTVDAVKLHN ELQSGSLRLG KSEAPETPME EEAEVLVTEK SSGTFLSGLS  
101 DCTNVTFSKV QRFWESNSAA HKEICAVLAA VTEVIRSQGG KETETEFYFAA  
151 LMTTMEAVES PESLAAYAYL LNLVLKRVPS PVLIKKFSDT SKAFMDIMSA  
201 QASSGSTSVL RWVLSCLATL LRKQDLEAWG YPVTLQVYHG LLSFTVHPKP  
251 KIRKAAQHGCV CSVLKGSEFM FEKAPAHHPA AISTAKFCIQ EIEKSGGSKE  
301 ATTTLHMLTL LKDLLPCFPE GLVKSCSETL LRVMTLSHVL VTACAMQAFH  
351 SLFHARPGLS TLSAELNAQI ITALYDYVPS ENDLQPLLAW LKVMKKAHIN  
401 LVRLQWDLGL GHLPRFFGTA VTCLLSPHSQ VLTAATQSLK EILKECVAPH  
451 MADIGSVTSS ASGPAQSVAK MFRAVEEGLT YKFHAAWSSV LQLLCVFEEA

501 CGRQAHVPMR KCLQSLCDLR LSPHFPHTAA LDQAVGAAVT SMGPEVVLQA  
 551 VPLEIDGSEE TLDFFPSWLL PVIRDHVQET RLGFFTTYFL PLANTLKSKA  
 601 MDLAQAGSTV ESKIYDTLQW QMWTLPLPGFC TRPTDVAISF KGLARTLGMA  
 651 ISERPDLRVT VCQALRTLIT KGCQAEADRA EVSRFAKNFL PILFNLYGQP  
 701 VAAGDTPAPR RAVLETIRTY LTITDTQLVN SLLEKASEKV LDPASSDFTR  
 751 LSVLDLVVAL APCADEAAIS KLYSTIRPYL ESKAHGVQKK AYRVLEEVCA  
 801 SPQGPALFV QSHLEDLKKT LLDSLSTSS PAKRPRLKCL LHIVRKLSAE  
 851 HKEFITALIP EVILCTKEVS VGARKNAFAL LVEMGHAFRL FGSNQEEALQ  
 901 CYLVLIYPGL VGAVTMVSCS ILALTHLLFE FKGLMGTSTV EQLLENVCLL  
 951 LASRTRDVVK SALGFIKVV TVMDVAHLAK HVQLVMEAG KLSDDMRRHF  
 1001 RMKLRNLFVK FIRKFGFELV KRLPEEYHR VLVNIRKAEA RAKRHRALSQ  
 1051 AAVEEEEEEE EEEPAQKKG DSIEEILADS EDEEDNEEEE RSRGKEQRKL  
 1101 ARQRSRAWLK EGGGDEPLNF LDPKVAQRVL ATQPGPGRGR KKDHSFKVSA  
 1151 DGRLLIREEA DGNKMEEEEG AKGEDEEMAD PMEDVIIRNK KHQKLKHQKE  
 1201 AEEEELEIPP QYQAGSGSIH RPVAKKAMPG AEYKAKKAKG DVKKKGRPDP  
 1251 YAYIPLNRSK LNRKKMKLQ GQFKGLVKAA RRGSVGHKN RRKDRRP

L9 ANSWER 7 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:372929 HCAPLUS  
 DN 140:395489  
 ED Entered STN: 07 May 2004  
 TI Sequences of blood-coagulation factor VIIa-binding peptides  
 IN Lazarus, Robert A.; Maun, Henry R.  
 PA Genentech, Inc., USA  
 SO U.S. Pat. Appl. Publ., 102 pp.  
 CODEN: USXXCO

DT Patent  
 LA English

IC ICM A61K038-10  
 ICS C07K007-08

INCL 530326000; 514014000

CC 63-3 (Pharmaceuticals)

Section cross-reference(s): 3, 6

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004087767	A1	20040506	US 2003-356257	20030130
PRAI	US 2002-355420P	P	20020206		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004087767	ICM	A61K038-10
	ICS	C07K007-08
	INCL	530326000; 514014000
US 2004087767	NCL	530/326.000
	ECLA	C07K001/04C; C07K007/08A

AB This invention provides sequences of 6 blood-coagulation factor VIIa-binding peptides. This invention provides novel compds. which prevent or block a FVIIa mediated or associated process or event such as the catalytic conversion of FX to FXa, FVII to FVIIa or FIX to FIXa. In particular aspects, the compds. of the invention bind Factor VIIa (FVIIa), its zymogen Factor VII (FVII). The invention also provides pharmaceutical compns. comprising the novel compds. as well as their use in diagnostic, therapeutic, and prophylactic methods.

ST sequence blood coagulation factor VIIa binding peptide anticoagulant human  
 IT Anticoagulants

Human

Protein sequences

(sequences of blood-coagulation factor VIIa-binding peptides)

IT Peptides, biological studies

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(sequences of blood-coagulation factor VIIa-binding peptides)

IT 358740-54-2P 685512-19-0P 685513-39-7P 685513-40-0P  
 685513-41-1P 685513-42-2P  
 RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (factor VIIa-binding anticoagulant peptide sequence; sequences of blood-coagulation factor VIIa-binding peptides)

IT 9001-25-6, Blood-coagulation factor VII 9035-58-9, Blood-coagulation factor III 65312-43-8, Factor VIIa  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (sequences of blood-coagulation factor VIIa-binding peptides)

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 685510-46-7 685510-47-8 685510-48-9  
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 RL: PRP (Properties)  
 (unclaimed sequence; sequences of blood-coagulation factor VIIa-binding peptides)

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RL: PRP (Properties)

(unclaimed sequence; sequences of blood-coagulation factor VIIa-binding peptides)

IT 358740-54-2P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(factor VIIa-binding anticoagulant peptide sequence; sequences of blood-coagulation factor VIIa-binding peptides)

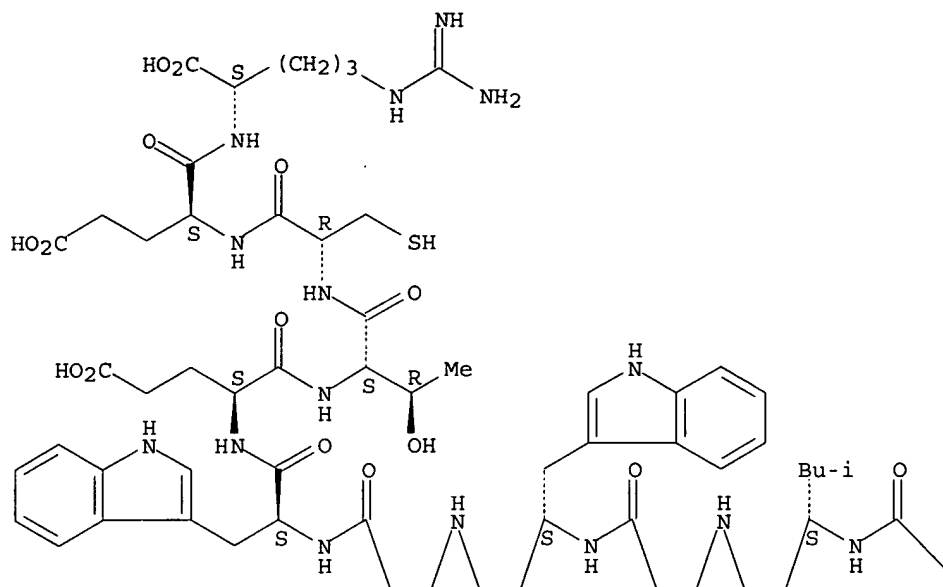
RN 358740-54-2 HCAPLUS

CN L-Arginine, L- $\alpha$ -glutamyl-L- $\alpha$ -glutamyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-valyl-L-leucyl-L-cysteinyl-L-tryptophyl-L-threonyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-threonyl-L-cysteinyl-L- $\alpha$ -glutamyl- (9CI) (CA INDEX NAME)

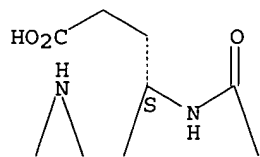
SEQ 1 EEWEVLCWTW ETCER

Absolute stereochemistry.

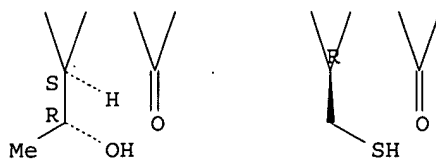
PAGE 1-A



PAGE 1-B



PAGE 2-A



[illegible]

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004030615	A2	20040415	WO 2003-XA28547	20030929
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	WO 2004030615	A2	20040415	WO 2003-US28547	20030929
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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PRAI	US 2002-414971P	P	20021002		
	WO 2003-US28547	A	20030929		

Search done by Noble Jarrell

- AB The present invention provides a large number of specific cDNA sequences which are upregulated in certain tumor tissues as compared to their normal tissue counterparts and therefore useful for the diagnosis and treatment of tumor in mammals. An expressed sequence tag (EST) DNA database was searched and interesting EST sequences identified by GEPIS (gene expression profiling in silico), a bioinformatics tool that characterizes genes of interest for new cancer therapeutic targets. Using this type of screening bioinformatics, various tumor-associated antigenic target (TAT) proteins (and their encoding nucleic acid mols). were identified as being significantly overexpressed in particular type of cancer or certain cancers as compared to other cancers and/or normal non-cancerous tissues.
- ST tumor assocd antigen protein cDNA sequence human; diagnosis tumor assocd antigen cDNA human; therapy tumor assocd antigen cDNA human; gene expression profile tumor assocd antigen human
- IT Animal cell line  
(CHO, recombinant expression host; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Gene expression profiles, animal  
(EST database and microarrays; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT PCR (polymerase chain reaction)  
(RT-PCR (reverse transcription-PCR), diagnostic detection of expression levels; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Diagnosis  
(cancer; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Nervous system, neoplasm  
(central; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Uterus, neoplasm  
(cervix; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Intestine, neoplasm  
(colorectal; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Antibiotics  
Cytotoxic agents  
(conjugates with antibodies or tumor-associated antigens; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Radionuclides, biological studies  
Toxins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(conjugates with antibodies or tumor-associated antigens; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Growth inhibitors, animal  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(conjugates with antibodies or tumor-associated antigens; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(conjugates; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)
- IT Antitumor agents  
Bladder, neoplasm  
Drug targets  
Human  
Leukemia  
Liver, neoplasm

Lung, neoplasm  
 Mammary gland, neoplasm  
 Melanoma  
 Molecular cloning  
 Neoplasm  
 Ovary, neoplasm  
 Pancreas, neoplasm  
 Protein sequences  
 Tumor markers  
 cDNA sequences  
     (differentially expressed nucleic acids and their encoded proteins and  
     their uses for the diagnosis and treatment of tumor)  
 IT Tumor antigens  
     Tumor antigens  
     cDNA  
     RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study,  
     unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic  
     use); ANST (Analytical study); BIOL (Biological study); PREP  
     (Preparation); USES (Uses)  
     (differentially expressed nucleic acids and their encoded proteins and  
     their uses for the diagnosis and treatment of tumor)  
 IT Antibodies and Immunoglobulins  
     Antisense oligonucleotides  
     RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
     USES (Uses)  
     (differentially expressed nucleic acids and their encoded proteins and  
     their uses for the diagnosis and treatment of tumor)  
 IT Cell proliferation  
     (disorders; differentially expressed nucleic acids and their encoded  
     proteins and their uses for the diagnosis and treatment of tumor)  
 IT Protein motifs  
     (extracellular domain; differentially expressed nucleic acids and their  
     encoded proteins and their uses for the diagnosis and treatment of  
     tumor)  
 IT Antibodies and Immunoglobulins  
     RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
     USES (Uses)  
     (fragments; differentially expressed nucleic acids and their encoded  
     proteins and their uses for the diagnosis and treatment of tumor)  
 IT Antibodies and Immunoglobulins  
     RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
     USES (Uses)  
     (humanized; differentially expressed nucleic acids and their encoded  
     proteins and their uses for the diagnosis and treatment of tumor)  
 IT Immunoassay  
     (immunoblotting, diagnostic detection of expression levels;  
     differentially expressed nucleic acids and their encoded proteins and  
     their uses for the diagnosis and treatment of tumor)  
 IT Drug delivery systems  
     (immunoconjugates; differentially expressed nucleic acids and their  
     encoded proteins and their uses for the diagnosis and treatment of  
     tumor)  
 IT Immunoassay  
     (immunohistochem., diagnostic detection of expression levels;  
     differentially expressed nucleic acids and their encoded proteins and  
     their uses for the diagnosis and treatment of tumor)  
 IT Nucleic acid hybridization  
     (in situ, diagnostic detection of expression levels; differentially  
     expressed nucleic acids and their encoded proteins and their uses for  
     the diagnosis and treatment of tumor)  
 IT Antibodies and Immunoglobulins  
     RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
     USES (Uses)  
     (labeled; differentially expressed nucleic acids and their encoded  
     proteins and their uses for the diagnosis and treatment of tumor)  
 IT Antibodies and Immunoglobulins

RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(monoclonal; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT Peptides, biological studies

RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(oligopeptides; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT Escherichia coli

Eubacteria

Yeast

(recombinant expression host; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT Proteins

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tumor-associated; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 147256-26-6P 680883-50-5P 680883-52-7P 680883-54-9P 680883-56-1P  
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 PRO124 (human) 680884-71-3P 680884-75-7P 680884-77-9P 680884-79-1P  
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 680885-88-5P 680885-90-9P 680885-93-2P, Tumor-associated antigen  
 PRO2018 (human) 680885-97-6P 680885-99-8P 680886-01-5P  
 680886-04-8P 680886-08-2P 680886-11-7P 680886-13-9P 680886-18-4P  
 680886-20-8P 680886-23-1P 680886-26-4P 680886-28-6P 680886-31-1P  
 680886-36-6P 680886-38-8P 680886-42-4P 680886-44-6P 680886-46-8P  
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 Tumor-associated antigen PRO4870 (human) 680886-60-6P, Tumor-associated  
 antigen PRO4801 (human) 680886-63-9P 680886-65-1P 680886-67-3P  
 680886-69-5P 680886-73-1P 680886-76-4P 680886-78-6P 680886-80-0P,  
 Tumor-associated antigen PRO2685 (human) 680886-84-4P 680886-86-6P  
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 680887-98-3P, Tumor-associated antigen PRO2660 (human) 680888-01-1P

680888-04-4P 680888-06-6P 680888-09-9P 680888-12-4P 680888-14-6P  
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 PRO2622 (human) 680888-24-8P, Tumor-associated antigen PRO4841 (human)  
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 680888-55-5P 680888-57-7P 680888-59-9P 680888-61-3P 680888-63-5P  
 680888-66-8P 680888-68-0P 680888-70-4P, Tumor-associated antigen  
 PRO2555 (human) 680888-72-6P 680888-75-9P 680888-79-3P  
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 680888-96-4P 680888-98-6P 680889-01-4P 680889-03-6P 680889-08-1P  
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 680889-20-7P 680889-22-9P, Tumor-associated antigen PRO4348 (human)  
 680889-32-1P 680889-34-3P 680889-37-6P 680889-39-8P 680889-42-3P  
 680889-46-7P, Tumor-associated antigen PRO3449 (human)  
 RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study,  
 unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic  
 use); ANST (Analytical study); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their  
 encoded proteins and their uses for the diagnosis and treatment of  
 tumor)

IT 680889-48-9P 680889-50-3P 680889-52-5P 680889-54-7P 680889-56-9P  
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 Tumor-associated antigen PRO4426 (human) 680889-82-1P 680889-84-3P  
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 680890-08-8P, Tumor-associated antigen PRO283 (human) 680890-10-2P  
 680890-12-4P, Tumor-associated antigen PRO9112 (human) 680890-14-6P  
 680890-17-9P 680890-19-1P 680890-21-5P 680890-23-7P,  
 Tumor-associated antigen PRO2549 (human) 680890-26-0P, Tumor-associated  
 antigen PRO4666 (human) 680890-28-2P, Tumor-associated antigen PRO4873  
 (human) 680890-30-6P 680890-32-8P 680890-34-0P 680890-36-2P  
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 680890-74-8P 680890-77-1P 680890-79-3P 680890-82-8P 680890-85-1P,  
 Tumor-associated antigen PRO2841 (human) 680890-87-3P, Tumor-associated  
 antigen PRO2841 (human) 680890-89-5P 680890-91-9P 680890-93-1P  
 680890-95-3P 680890-97-5P, Tumor-associated antigen PRO9987 (human)  
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 Tumor-associated antigen PRO4793 (human) 680891-91-2P 680891-93-4P  
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 680892-68-6P 680892-70-0P 680892-75-5P 680892-77-7P 680892-80-2P  
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 Tumor-associated antigen PRO2871 (human) 680893-39-4P 681037-83-2P  
 681037-86-5P 681037-88-7P 681037-90-1P 681037-92-3P 681037-94-5P  
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 681038-09-5P 681038-15-3P 681038-17-5P 681038-20-0P 681038-22-2P  
 681038-26-6P 681038-28-8P, Tumor-associated antigen PRO2066 (human)  
 681038-30-2P 681038-32-4P 681038-35-7P 681038-37-9P 681038-39-1P  
 681038-41-5P 681038-43-7P, Tumor-associated antigen PRO4904 (human)

681038-45-9P, Tumor-associated antigen PRO2054 (human) 681038-49-3P  
 681038-55-1P 681038-57-3P 681038-59-5P 681038-62-0P 681038-64-2P  
 681038-66-4P 681038-68-6P 681038-72-2P 681038-75-5P 681038-78-8P  
 681038-81-3P 681038-83-5P 681038-86-8P 681038-88-0P 681038-90-4P,  
 Tumor-associated antigen PRO4836 (human) 681038-92-6P 681038-96-0P  
 681039-05-4P 681039-07-6P 681039-10-1P 681039-16-7P 681039-19-0P  
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 681039-45-2P 681039-48-5P 681039-50-9P 681039-52-1P 681039-54-3P,  
 Tumor-associated antigen PRO2732 (human) 681039-56-5P 681039-58-7P,  
 Tumor-associated antigen PRO4379 (human) 681039-60-1P 681039-62-3P  
 681039-64-5P 681039-67-8P 681039-69-0P 681039-71-4P 681039-73-6P  
 681039-75-8P 681039-77-0P 681039-80-5P  
 RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study,  
 unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic  
 use); ANST (Analytical study); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their  
 encoded proteins and their uses for the diagnosis and treatment of  
 tumor)

IT 681039-83-8P 681039-85-0P 681039-88-3P 681039-91-8P 681039-94-1P  
 681039-96-3P 681039-98-5P, Tumor-associated antigen PRO2720 (human)  
 681040-02-8P 681040-04-0P 681040-06-2P 681040-08-4P 681040-10-8P  
 681040-12-0P 681040-14-2P 681040-17-5P 681040-19-7P 681040-22-2P  
 681040-26-6P 681040-28-8P 681040-32-4P 681040-34-6P 681040-37-9P  
 681040-39-1P 681040-41-5P 681040-43-7P 681040-45-9P 681040-47-1P  
 681040-50-6P 681040-53-9P, Tumor-associated antigen PRO730  
 (human) 681040-55-1P 681040-59-5P 681040-63-1P 681040-67-5P  
 681040-70-0P 681040-73-3P 681040-76-6P 681040-78-8P 681190-56-7P  
 681190-58-9P 681190-61-4P 681190-63-6P 681190-68-1P 681190-71-6P  
 681190-73-8P 681190-76-1P 681190-79-4P 681190-83-0P 681190-85-2P  
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 681191-00-4P 681191-02-6P 681191-04-8P 681191-06-0P 681191-10-6P,  
 Tumor-associated antigen PRO3629 (human) 681191-13-9P 681191-15-1P  
 681191-17-3P 681191-19-5P 681191-21-9P 681191-23-1P 681191-25-3P  
 681191-27-5P 681191-29-7P 681191-31-1P 681191-33-3P 681191-35-5P  
 681191-37-7P 681191-39-9P 681191-41-3P 681191-43-5P 681191-45-7P  
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 PRO303 (human) 681191-65-1P 681191-68-4P 681191-70-8P 681191-72-0P  
 681191-75-3P, Tumor-associated antigen PRO3640 (human) 681191-77-5P  
 681191-81-1P 681191-85-5P 681191-90-2P 681191-92-4P 681191-94-6P  
 681191-96-8P 681191-98-0P 681192-00-7P 681192-03-0P 681192-05-2P  
 681192-08-5P 681192-10-9P 681192-12-1P 681192-17-6P 681192-19-8P  
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 681192-60-9P 681192-62-1P 681192-64-3P, Tumor-associated antigen  
 PRO2355 (human) 681192-67-6P 681192-69-8P 681192-71-2P  
 681192-73-4P 681192-75-6P 681192-77-8P 681192-81-4P 681192-83-6P  
 681192-85-8P 681192-88-1P 681192-92-7P 681192-94-9P 681192-98-3P  
 681193-00-0P 681193-02-2P, Tumor-associated antigen PRO2672 (human)  
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 681193-28-2P 681193-30-6P 681193-32-8P, Tumor-associated antigen  
 PRO2719 (human) 681193-34-0P, Tumor-associated antigen PRO4814 (human)  
 681193-37-3P 681193-39-5P 681193-41-9P 681193-43-1P 681193-45-3P  
 681193-47-5P 681193-50-0P 681193-53-3P 681193-55-5P 681193-57-7P  
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 681193-81-7P 681193-83-9P 681193-86-2P 681193-90-8P,  
 Tumor-associated antigen PRO2198 (human) 681193-94-2P 681194-00-3P  
 681194-03-6P 681194-06-9P 681194-08-1P 681194-11-6P 681194-13-8P  
 681194-15-0P 681194-17-2P 681194-19-4P 681194-21-8P 681194-24-1P  
 681194-27-4P 681194-29-6P 681194-31-0P 681194-33-2P 681194-35-4P  
 681194-37-6P 681194-39-8P, Tumor-associated antigen PRO3647 (human)

681194-41-2P 681194-43-4P 681194-49-0P 681194-51-4P 681194-53-6P  
 681194-55-8P 681194-59-2P, Tumor-associated antigen PRO4729 (human)  
 681194-61-6P 681194-65-0P 681194-67-2P 681194-70-7P 681194-72-9P  
 681194-76-3P 681194-79-6P 681194-81-0P 681194-83-2P 681194-86-5P  
 681194-88-7P 681194-90-1P 681194-93-4P 681194-96-7P 681194-98-9P  
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 681195-16-4P 681195-20-0P 681195-22-2P 681195-24-4P 681195-26-6P  
 681195-29-9P 681195-31-3P 681195-33-5P 681195-35-7P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681195-37-9P 681195-40-4P 681195-42-6P 681195-44-8P 681195-46-0P, Tumor-associated antigen PRO1204 (human) 681195-48-2P, Tumor-associated antigen PRO4738 (human) 681195-51-7P 681195-53-9P 681195-55-1P  
 681195-57-3P 681195-60-8P 681195-62-0P 681195-64-2P 681195-66-4P  
 681195-70-0P 681195-72-2P 681195-77-7P 681195-80-2P 681195-82-4P  
 681195-84-6P 681195-86-8P 681195-88-0P 681195-91-5P 681195-93-7P  
 681195-95-9P, Tumor-associated antigen PRO2769 (human) 681195-97-1P  
 681196-00-9P 681196-02-1P 681196-04-3P 681196-07-6P 681196-09-8P  
 681196-11-2P 681196-15-6P 681196-17-8P 681196-19-0P 681196-21-4P  
 681196-23-6P 681196-25-8P 681196-27-0P 681196-31-6P 681196-33-8P  
 681196-35-0P 681196-37-2P, Tumor-associated antigen PRO3637 (human)  
 681196-39-4P 681196-41-8P 681196-43-0P 681196-45-2P 681196-48-5P  
 681196-50-9P 681196-53-2P, Tumor-associated antigen PRO2839 (human)  
 681196-56-5P 681196-58-7P 681196-61-2P 681196-63-4P 681196-67-8P, Tumor-associated antigen PRO302 (human) 681196-69-0P 681196-71-4P  
 681196-74-7P 681196-77-0P 681196-79-2P 681196-81-6P 681196-83-8P  
 681196-86-1P 681196-89-4P 681196-96-3P 681196-98-5P 681197-01-3P  
 681197-03-5P 681197-05-7P 681197-08-0P 681197-10-4P  
 681197-13-7P, Tumor-associated antigen PRO2788 (human)  
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 681197-25-1P 681197-28-4P 681197-30-8P 681197-32-0P 681197-35-3P, Tumor-associated antigen PRO7143 (human) 681197-39-7P 681197-42-2P  
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 681198-06-1P 681198-08-3P 681198-10-7P 681198-12-9P 681198-17-4P  
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 681321-97-1P, Tumor-associated antigen PRO201 (human) 681321-99-3P  
 681322-03-2P 681322-05-4P, Tumor-associated antigen PRO224 (human)  
 681322-08-7P 681322-12-3P 681322-16-7P 681322-19-0P 681322-21-4P  
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 681322-39-4P 681322-41-8P 681322-43-0P 681322-47-4P 681322-51-0P  
 681322-53-2P 681322-56-5P 681322-59-8P 681322-61-2P, Tumor-associated antigen PRO4650 (human) 681322-63-4P 681322-66-7P  
 681322-68-9P 681322-70-3P, Tumor-associated antigen PRO2718 (human)  
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 681323-36-4P 681323-39-7P 681323-41-1P 681323-44-4P 681323-47-7P  
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RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681323-85-3P 681323-88-6P 681323-90-0P 681323-93-3P 681323-95-5P  
 681323-97-7P 681323-99-9P 681324-01-6P 681324-03-8P 681324-06-1P  
 681324-08-3P 681324-10-7P 681324-13-0P 681324-15-2P 681324-17-4P  
 681324-19-6P 681324-21-0P 681324-23-2P 681324-28-7P 681324-35-6P  
 681324-38-9P 681324-41-4P 681324-43-6P 681324-45-8P 681324-50-5P  
 681324-53-8P 681324-55-0P 681324-57-2P 681324-59-4P 681324-61-8P  
 681324-63-0P 681324-65-2P 681324-67-4P 681324-76-5P 681324-79-8P  
 681324-83-4P 681324-85-6P 681324-88-9P 681324-90-3P 681324-92-5P  
 681324-94-7P 681324-97-0P, Tumor-associated antigen PRO2644 (human)  
 681324-99-2P 681325-01-9P 681325-03-1P 681325-05-3P 681325-09-7P  
 681325-11-1P 681325-18-8P 681325-20-2P 681325-23-5P 681325-25-7P  
 681325-28-0P 681325-30-4P 681325-32-6P 681325-36-0P 681325-38-2P  
 681325-40-6P 681325-42-8P 681325-44-0P 681325-46-2P 681325-48-4P  
 681325-50-8P 681325-52-0P 681325-54-2P 681325-57-5P 681325-60-0P  
 681325-62-2P, Tumor-associated antigen PRO4569 (human) 681325-64-4P  
 681325-66-6P 681325-68-8P 681325-70-2P 681325-72-4P 681325-74-6P  
 681325-76-8P, Tumor-associated antigen PRO2109 (human) 681325-79-1P  
 681325-81-5P 681325-84-8P 681325-86-0P 681325-89-3P 681325-91-7P  
 681325-94-0P 681325-96-2P 681325-99-5P 681326-01-2P 681326-03-4P  
 681326-05-6P 681326-07-8P 681326-09-0P 681326-11-4P 681326-13-6P  
 681326-15-8P 681326-17-0P 681326-19-2P 681326-22-7P 681326-24-9P  
 681326-26-1P 681326-28-3P 681326-30-7P 681326-34-1P 681326-36-3P  
 681326-38-5P 681326-40-9P 681326-42-1P 681326-44-3P 681326-47-6P  
 681326-49-8P 681326-51-2P 681326-54-5P 681326-57-8P 681326-62-5P  
 681326-65-8P, Tumor-associated antigen PRO2615 (human) 681326-67-0P  
 681326-69-2P 681326-71-6P 681326-75-0P 681326-77-2P 681326-79-4P  
 681326-82-9P 681326-84-1P 681456-06-4P 681516-71-2P 681516-73-4P  
 681516-76-7P 681516-78-9P 681516-80-3P 681516-83-6P 681516-85-8P  
 681516-87-0P 681516-89-2P 681516-91-6P 681516-93-8P 681516-95-0P  
 681516-99-4P 681517-01-1P 681517-04-4P, Tumor-associated antigen  
 PRO3645 (human) 681517-06-6P 681517-08-8P 681517-10-2P  
 681517-12-4P 681517-15-7P 681517-17-9P 681517-20-4P 681517-22-6P  
 681517-24-8P 681517-27-1P 681517-30-6P 681517-33-9P 681517-36-2P  
 681517-39-5P 681517-41-9P 681517-44-2P, Tumor-associated antigen  
 PRO4852 (human) 681517-46-4P 681517-49-7P, Tumor-associated antigen  
 PRO2065 (human) 681517-51-1P, Tumor-associated antigen PRO1720 (human)  
 681517-53-3P 681517-55-5P 681517-57-7P 681517-59-9P,  
 Tumor-associated antigen PRO2420 (human) 681517-61-3P, Tumor-associated  
 antigen PRO2711 (human) 681517-66-8P 681517-68-0P 681517-70-4P  
 681517-72-6P 681517-74-8P 681517-76-0P 681517-79-3P 681517-81-7P  
 681517-84-0P 681517-86-2P 681517-89-5P 681517-91-9P 681517-94-2P,  
 Tumor-associated antigen PRO983 (human) 681517-96-4P 681517-98-6P  
 681518-00-3P 681518-02-5P 681518-04-7P 681518-06-9P 681518-08-1P  
 681518-10-5P 681518-12-7P 681518-14-9P, Tumor-associated antigen  
 PRO4813 (human) 681518-17-2P 681518-19-4P 681518-21-8P  
 681518-23-0P 681518-25-2P 681518-28-5P 681518-30-9P 681518-32-1P  
 681518-34-3P 681518-36-5P 681518-38-7P 681518-40-1P 681518-42-3P  
 681518-48-9P 681518-50-3P 681518-52-5P 681518-54-7P 681518-56-9P  
 681518-59-2P 681518-61-6P 681518-63-8P 681518-65-0P 681518-67-2P  
 681518-69-4P 681518-72-9P 681518-74-1P 681518-77-4P 681518-80-9P  
 681518-84-3P 681518-86-5P 681518-88-7P 681518-90-1P 681519-00-6P  
 681519-02-8P 681519-04-0P 681519-06-2P 681519-08-4P 681519-10-8P  
 681519-12-0P 681519-16-4P 681519-20-0P 681519-23-3P 681519-25-5P

681519-27-7P 681519-30-2P 681519-34-6P 681519-38-0P  
 RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681519-40-4P 681519-42-6P 681519-44-8P 681519-46-0P 681519-48-2P  
 681519-50-6P 681519-52-8P 681519-56-2P 681519-58-4P 681519-60-8P  
 681519-63-1P, Tumor-associated antigen PRO4789 (human) 681519-65-3P  
 681519-68-6P 681519-70-0P 681519-72-2P 681519-74-4P 681519-76-6P  
 681519-78-8P 681519-80-2P 681519-84-6P 681519-86-8P 681519-89-1P  
 681519-91-5P 681519-94-8P 681519-96-0P 681519-98-2P 681520-01-4P  
 681520-03-6P 681520-05-8P 681520-07-0P 681520-09-2P 681520-12-7P  
 681520-14-9P 681520-16-1P 681520-18-3P 681520-21-8P 681520-23-0P  
 681520-25-2P 681520-27-4P 681520-30-9P 681520-35-4P 681520-37-6P  
 681520-39-8P, Tumor-associated antigen PRO4586 (human) 681520-41-2P  
 681520-44-5P 681520-46-7P 681520-48-9P 681520-50-3P,  
 Tumor-associated antigen PRO4872 (human) 681520-52-5P 681520-54-7P  
 681520-60-5P 681520-64-9P 681520-66-1P 681520-68-3P 681520-70-7P  
 681520-73-0P 681520-75-2P 681520-78-5P 681520-80-9P 681520-83-2P  
 681520-85-4P 681520-88-7P 681520-93-4P, Tumor-associated antigen  
 PRO2373 (human) 681520-95-6P 681520-97-8P 681521-01-7P  
 681521-03-9P 681521-05-1P 681521-07-3P 681521-09-5P 681521-12-0P  
 681521-16-4P 681521-18-6P 681521-22-2P 681521-24-4P 681521-28-8P  
 681521-30-2P 681521-32-4P 681521-34-6P 681521-36-8P 681521-39-1P  
 681521-43-7P 681521-46-0P 681521-48-2P 681521-50-6P 681521-52-8P  
 681521-54-0P 681521-56-2P 681521-59-5P 681521-61-9P 681521-63-1P  
 681521-66-4P 681521-68-6P 681521-70-0P 681521-73-3P 681521-76-6P  
 681521-79-9P 681521-81-3P 681521-83-5P 681521-85-7P 681521-87-9P  
 681521-89-1P 681521-91-5P 681521-93-7P 681521-99-3P 681522-02-1P  
 681522-04-3P 681522-08-7P 681522-11-2P 681522-13-4P 681522-15-6P  
 681522-17-8P 681522-20-3P 681522-22-5P 681522-26-9P 681522-28-1P  
 681522-30-5P 681522-32-7P 681522-34-9P 681522-39-4P,  
 Tumor-associated antigen PRO2537 (human) 681522-41-8P 681522-45-2P  
 681522-47-4P 681522-51-0P 681522-54-3P 681522-56-5P 681522-58-7P  
 681522-60-1P 681522-62-3P 681522-64-5P 681522-66-7P 681522-69-0P  
 681522-71-4P 681522-73-6P 681522-75-8P 681522-77-0P 681522-80-5P  
 681522-82-7P 681522-84-9P 681522-86-1P 681522-89-4P 681522-91-8P  
 681522-94-1P 681522-98-5P 681523-00-2P 681523-02-4P 681523-04-6P  
 681523-06-8P 681523-08-0P 681523-10-4P 681523-12-6P,  
 Tumor-associated antigen PRO4885 (human) 681523-14-8P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 9026-81-7D, Nuclease, conjugates with antibodies or tumor-associated antigens  
 35846-53-8D, Maytansine, compds., conjugates with antibodies or  
 tumor-associated antigens 113440-58-7D, Calicheamicin, conjugates with  
 antibodies or tumor-associated antigens  
 RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)

(differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 680883-51-6P 680883-53-8P 680883-55-0P 680883-57-2P 680883-59-4P  
 680883-61-8P 680883-62-9P 680883-64-1P 680883-65-2P 680883-66-3P  
 680883-68-5P 680883-69-6P 680883-71-0P 680883-73-2P 680883-75-4P  
 680883-77-6P 680883-78-7P 680883-80-1P 680883-82-3P 680883-84-5P  
 680883-86-7P 680883-88-9P 680883-90-3P 680883-91-4P 680883-93-6P  
 680883-94-7P 680883-96-9P 680883-98-1P 680884-00-8P 680884-02-0P  
 680884-04-2P 680884-06-4P 680884-07-5P 680884-08-6P 680884-10-0P  
 680884-12-2P 680884-14-4P 680884-15-5P 680884-17-7P 680884-19-9P

680884-21-3P	680884-22-4P	680884-23-5P	680884-24-6P	680884-26-8P
680884-28-0P	680884-30-4P	680884-32-6P	680884-34-8P	680884-36-0P
680884-37-1P	680884-39-3P	680884-41-7P	680884-43-9P	680884-45-1P
680884-47-3P	680884-49-5P	680884-51-9P	680884-52-0P	680884-54-2P
680884-55-3P	680884-57-5P	680884-59-7P	680884-61-1P	680884-63-3P
680884-65-5P	680884-67-7P	680884-68-8P	680884-70-2P	680884-72-4P
680884-73-5P	680884-74-6P	680884-76-8P	680884-78-0P	680884-80-4P
680884-82-6P	680884-83-7P	680884-84-8P	680884-86-0P	680884-88-2P
680884-89-3P	680884-91-7P	680884-93-9P	680884-95-1P	680884-96-2P
680884-98-4P	680884-99-5P	680885-00-1P	680885-02-3P	680885-04-5P
680885-06-7P	680885-08-9P	680885-10-3P	680885-12-5P	680885-14-7P
680885-16-9P	680885-17-0P	680885-18-1P	680885-20-5P	680885-22-7P
680885-24-9P	680885-25-0P	680885-27-2P	680885-29-4P	680885-30-7P
680885-31-8P	680885-32-9P	680885-34-1P	680885-35-2P	680885-37-4P
680885-39-6P	680885-40-9P	680885-41-0P	680885-42-1P	680885-43-2P
680885-44-3P	680885-46-5P	680885-48-7P	680885-49-8P	680885-51-2P
680885-53-4P	680885-55-6P	680885-57-8P	680885-59-0P	680885-61-4P
680885-62-5P	680885-64-7P	680885-65-8P	680885-67-0P	680885-69-2P
680885-70-5P	680885-71-6P	680885-72-7P	680885-74-9P	680885-75-0P
680885-77-2P	680885-79-4P	680885-81-8P	680885-83-0P	680885-85-2P
680885-87-4P	680885-89-6P	680885-91-0P	680885-92-1P	680885-94-3P
680885-95-4P	680885-96-5P	680885-98-7P	680886-00-4P	680886-02-6P
680886-03-7P	680886-05-9P	680886-06-0P	680886-07-1P	680886-09-3P
680886-10-6P	680886-12-8P	680886-14-0P	680886-15-1P	680886-16-2P
680886-17-3P	680886-19-5P	680886-21-9P	680886-22-0P	680886-24-2P
680886-25-3P	680886-27-5P	680886-29-7P	680886-30-0P	680886-32-2P
680886-33-3P	680886-34-4P	680886-35-5P	680886-37-7P	680886-39-9P
680886-40-2P	680886-41-3P	680886-43-5P	680886-45-7P	680886-47-9P
680886-49-1P	680886-50-4P	680886-52-6P	680886-54-8P	680886-56-0P
680886-57-1P	680886-59-3P	680886-61-7P	680886-62-8P	680886-64-0P
680886-66-2P	680886-68-4P	680886-70-8P	680886-71-9P	680886-72-0P
680886-74-2P	680886-75-3P	680886-77-5P	680886-79-7P	680886-81-1P
680886-82-2P	680886-83-3P	680886-85-5P	680886-87-7P	680886-88-8P
680886-90-2P	680886-92-4P	680886-94-6P	680886-95-7P	680886-96-8P
680886-98-0P	680886-99-1P	680887-01-8P	680887-03-0P	680887-04-1P
680887-05-2P	680887-07-4P	680887-09-6P	680887-10-9P	680887-11-0P
680887-12-1P	680887-13-2P	680887-15-4P	680887-17-6P	680887-19-8P
680887-20-1P	680887-22-3P	680887-24-5P	680887-26-7P	680887-28-9P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT	680887-30-3P	680887-32-5P	680887-34-7P	680887-36-9P	680887-38-1P
	680887-40-5P	680887-41-6P	680887-43-8P	680887-44-9P	680887-45-0P
	680887-46-1P	680887-47-2P	680887-49-4P	680887-50-7P	680887-52-9P
	680887-53-0P	680887-55-2P	680887-57-4P	680887-59-6P	680887-60-9P
	680887-61-0P	680887-63-2P	680887-64-3P	680887-66-5P	680887-68-7P
	680887-70-1P	680887-72-3P	680887-73-4P	680887-74-5P	680887-75-6P
	680887-76-7P	680887-78-9P	680887-80-3P	680887-81-4P	680887-82-5P
	680887-84-7P	680887-86-9P	680887-87-0P	680887-89-2P	680887-91-6P
	680887-93-8P	680887-95-0P	680887-96-1P	680887-97-2P	680887-99-4P
	680888-00-0P	680888-02-2P	680888-03-3P	680888-05-5P	680888-07-7P
	680888-08-8P	680888-10-2P	680888-11-3P	680888-13-5P	680888-15-7P
	680888-17-9P	680888-18-0P	680888-20-4P	680888-21-5P	680888-23-7P
	680888-25-9P	680888-27-1P	680888-28-2P	680888-30-6P	680888-31-7P
	680888-33-9P	680888-34-0P	680888-36-2P	680888-38-4P	680888-39-5P
	680888-40-8P	680888-41-9P	680888-43-1P	680888-45-3P	680888-46-4P
	680888-48-6P	680888-49-7P	680888-51-1P	680888-52-2P	680888-54-4P
	680888-56-6P	680888-58-8P	680888-60-2P	680888-62-4P	680888-64-6P
	680888-65-7P	680888-67-9P	680888-69-1P	680888-71-5P	680888-73-7P
	680888-74-8P	680888-76-0P	680888-77-1P	680888-78-2P	680888-80-6P
	680888-81-7P	680888-83-9P	680888-84-0P	680888-85-1P	680888-87-3P
	680888-88-4P	680888-90-8P	680888-91-9P	680888-93-1P	680888-95-3P

680888-97-5P	680888-99-7P	680889-00-3P	680889-02-5P	680889-04-7P
680889-05-8P	680889-06-9P	680889-07-0P	680889-09-2P	680889-11-6P
680889-13-8P	680889-15-0P	680889-16-1P	680889-17-2P	680889-21-8P
680889-23-0P	680889-24-1P	680889-25-2P	680889-26-3P	680889-27-4P
680889-28-5P	680889-29-6P	680889-30-9P	680889-31-0P	680889-33-2P
680889-35-4P	680889-36-5P	680889-38-7P	680889-40-1P	680889-41-2P
680889-43-4P	680889-44-5P	680889-45-6P	680889-47-8P	680889-49-0P
680889-51-4P	680889-53-6P	680889-55-8P	680889-57-0P	680889-59-2P
680889-61-6P	680889-63-8P	680889-65-0P	680889-67-2P	680889-69-4P
680889-71-8P	680889-73-0P	680889-75-2P	680889-76-3P	680889-78-5P
680889-79-6P	680889-80-9P	680889-81-0P	680889-83-2P	680889-85-4P
680889-86-5P	680889-87-6P	680889-88-7P	680889-90-1P	680889-91-2P
680889-93-4P	680889-95-6P	680889-97-8P	680889-99-0P	680890-00-0P
680890-02-2P	680890-03-3P	680890-04-4P	680890-06-6P	680890-07-7P
680890-09-9P	680890-11-3P	680890-13-5P	680890-15-7P	680890-16-8P
680890-18-0P	680890-20-4P	680890-22-6P	680890-24-8P	680890-25-9P
680890-27-1P	680890-29-3P	680890-31-7P	680890-33-9P	680890-35-1P
680890-37-3P	680890-39-5P	680890-41-9P	680890-43-1P	680890-44-2P
680890-46-4P	680890-48-6P	680890-49-7P	680890-51-1P	680890-52-2P
680890-54-4P	680890-56-6P	680890-58-8P	680890-59-9P	680890-61-3P
680890-63-5P	680890-64-6P	680890-66-8P	680890-68-0P	680890-70-4P
680890-71-5P	680890-73-7P	680890-75-9P	680890-76-0P	680890-78-2P
680890-80-6P	680890-81-7P	680890-83-9P	680890-84-0P	680890-86-2P
680890-88-4P	680890-90-8P	680890-92-0P	680890-94-2P	680890-96-4P
680890-98-6P	680890-99-7P	680891-01-4P	680891-03-6P	680891-04-7P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT	680891-06-9P	680891-08-1P	680891-09-2P	680891-10-5P	680891-12-7P
	680891-14-9P	680891-15-0P	680891-16-1P	680891-17-2P	680891-18-3P
	680891-20-7P	680891-22-9P	680891-24-1P	680891-26-3P	680891-28-5P
	680891-30-9P	680891-31-0P	680891-33-2P	680891-35-4P	680891-37-6P
	680891-39-8P	680891-40-1P	680891-41-2P	680891-43-4P	680891-45-6P
	680891-47-8P	680891-48-9P	680891-50-3P	680891-52-5P	680891-53-6P
	680891-55-8P	680891-57-0P	680891-59-2P	680891-61-6P	680891-62-7P
	680891-63-8P	680891-65-0P	680891-67-2P	680891-68-3P	680891-69-4P
	680891-71-8P	680891-72-9P	680891-74-1P	680891-75-2P	680891-76-3P
	680891-77-4P	680891-78-5P	680891-80-9P	680891-82-1P	680891-84-3P
	680891-86-5P	680891-88-7P	680891-90-1P	680891-92-3P	680891-94-5P
	680891-96-7P	680891-97-8P	680891-98-9P	680892-00-6P	680892-02-8P
	680892-03-9P	680892-05-1P	680892-07-3P	680892-09-5P	680892-10-8P
	680892-11-9P	680892-13-1P	680892-15-3P	680892-17-5P	680892-18-6P
	680892-19-7P	680892-21-1P	680892-22-2P	680892-24-4P	680892-25-5P
	680892-27-7P	680892-28-8P	680892-30-2P	680892-32-4P	680892-34-6P
	680892-36-8P	680892-37-9P	680892-39-1P	680892-41-5P	680892-43-7P
	680892-44-8P	680892-45-9P	680892-47-1P	680892-49-3P	680892-51-7P
	680892-53-9P	680892-55-1P	680892-57-3P	680892-58-4P	680892-59-5P
	680892-61-9P	680892-62-0P	680892-64-2P	680892-65-3P	680892-66-4P
	680892-67-5P	680892-69-7P	680892-71-1P	680892-72-2P	680892-73-3P
	680892-74-4P	680892-76-6P	680892-78-8P	680892-79-9P	680892-81-3P
	680892-83-5P	680892-85-7P	680892-87-9P	680892-89-1P	680892-90-4P
	680892-91-5P	680892-92-6P	680892-94-8P	680892-96-0P	680892-98-2P
	680892-99-3P	680893-00-9P	680893-01-0P	680893-03-2P	680893-05-4P
	680893-07-6P	680893-08-7P	680893-09-8P	680893-10-1P	680893-12-3P
	680893-14-5P	680893-16-7P	680893-17-8P	680893-19-0P	680893-21-4P
	680893-22-5P	680893-24-7P	680893-25-8P	680893-27-0P	680893-28-1P
	680893-29-2P	680893-31-6P	680893-32-7P	680893-33-8P	680893-35-0P
	680893-37-2P	680893-38-3P	680893-40-7P	681037-81-0P	681037-82-1P
	681037-84-3P	681037-85-4P	681037-87-6P	681037-89-8P	681037-91-2P
	681037-93-4P	681037-95-6P	681037-97-8P	681037-98-9P	681037-99-0P
	681038-01-7P	681038-03-9P	681038-04-0P	681038-06-2P	681038-08-4P
	681038-10-8P	681038-11-9P	681038-12-0P	681038-13-1P	681038-14-2P

681038-16-4P	681038-18-6P	681038-19-7P	681038-21-1P	681038-23-3P
681038-24-4P	681038-25-5P	681038-27-7P	681038-29-9P	681038-31-3P
681038-33-5P	681038-34-6P	681038-36-8P	681038-38-0P	681038-40-4P
681038-42-6P	681038-44-8P	681038-46-0P	681038-47-1P	681038-48-2P
681038-50-6P	681038-51-7P	681038-52-8P	681038-53-9P	681038-54-0P
681038-56-2P	681038-58-4P	681038-60-8P	681038-61-9P	681038-63-1P
681038-65-3P	681038-67-5P	681038-69-7P	681038-70-0P	681038-71-1P
681038-73-3P	681038-74-4P	681038-76-6P	681038-77-7P	681038-79-9P
681038-80-2P	681038-82-4P	681038-84-6P	681038-85-7P	681038-87-9P
681038-89-1P	681038-91-5P	681038-93-7P	681038-94-8P	681038-95-9P
681038-97-1P	681038-98-2P	681038-99-3P	681039-00-9P	681039-01-0P
681039-02-1P	681039-03-2P	681039-04-3P	681039-06-5P	681039-08-7P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681039-09-8P	681039-11-2P	681039-12-3P	681039-13-4P	681039-14-5P
681039-15-6P	681039-17-8P	681039-18-9P	681039-20-3P	681039-22-5P
681039-24-7P	681039-26-9P	681039-27-0P	681039-29-2P	681039-31-6P
681039-33-8P	681039-35-0P	681039-36-1P	681039-38-3P	681039-39-4P
681039-40-7P	681039-42-9P	681039-44-1P	681039-46-3P	681039-47-4P
681039-49-6P	681039-51-0P	681039-53-2P	681039-55-4P	681039-57-6P
681039-59-8P	681039-61-2P	681039-63-4P	681039-65-6P	681039-66-7P
681039-68-9P	681039-70-3P	681039-72-5P	681039-74-7P	681039-76-9P
681039-78-1P	681039-79-2P	681039-81-6P	681039-82-7P	681039-84-9P
681039-86-1P	681039-87-2P	681039-89-4P	681039-90-7P	681039-92-9P
681039-93-0P	681039-95-2P	681039-97-4P	681039-99-6P	681040-00-6P
681040-01-7P	681040-03-9P	681040-05-1P	681040-07-3P	681040-09-5P
681040-11-9P	681040-13-1P	681040-15-3P	681040-16-4P	681040-18-6P
681040-20-0P	681040-21-1P	681040-23-3P	681040-24-4P	681040-25-5P
681040-27-7P	681040-29-9P	681040-30-2P	681040-31-3P	681040-33-5P
681040-35-7P	681040-36-8P	681040-38-0P	681040-40-4P	681040-42-6P
681040-44-8P	681040-46-0P	681040-48-2P	681040-49-3P	681040-51-7P
681040-52-8P	681040-54-0P	681040-56-2P	681040-57-3P	681040-58-4P
681040-60-8P	681040-61-9P	681040-62-0P	681040-64-2P	681040-65-3P
681040-66-4P	681040-68-6P	681040-69-7P	681040-71-1P	681040-72-2P
681040-74-4P	681040-75-5P	681040-77-7P	681040-79-9P	681190-57-8P
681190-59-0P	681190-60-3P	681190-62-5P	681190-64-7P	681190-65-8P
681190-66-9P	681190-67-0P	681190-69-2P	681190-70-5P	681190-72-7P
681190-74-9P	681190-75-0P	681190-77-2P	681190-78-3P	681190-80-7P
681190-81-8P	681190-82-9P	681190-84-1P	681190-86-3P	681190-88-5P
681190-89-6P	681190-90-9P	681190-92-1P	681190-93-2P	681190-95-4P
681190-97-6P	681190-99-8P	681191-01-5P	681191-03-7P	681191-05-9P
681191-07-1P	681191-08-2P	681191-09-3P	681191-11-7P	681191-12-8P
681191-14-0P	681191-16-2P	681191-18-4P	681191-20-8P	681191-22-0P
681191-24-2P	681191-26-4P	681191-28-6P	681191-30-0P	681191-32-2P
681191-34-4P	681191-36-6P	681191-38-8P	681191-40-2P	681191-42-4P
681191-44-6P	681191-46-8P	681191-48-0P	681191-49-1P	681191-51-5P
681191-53-7P	681191-55-9P	681191-57-1P	681191-59-3P	681191-61-7P
681191-63-9P	681191-64-0P	681191-66-2P	681191-67-3P	681191-69-5P
681191-71-9P	681191-73-1P	681191-74-2P	681191-76-4P	681191-78-6P
681191-79-7P	681191-80-0P	681191-82-2P	681191-83-3P	681191-84-4P
681191-86-6P	681191-87-7P	681191-88-8P	681191-89-9P	681191-91-3P
681191-93-5P	681191-95-7P	681191-97-9P	681191-99-1P	681192-01-8P
681192-02-9P	681192-04-1P	681192-06-3P	681192-07-4P	681192-09-6P
681192-11-0P	681192-13-2P	681192-14-3P	681192-15-4P	681192-16-5P
681192-18-7P	681192-20-1P	681192-21-2P	681192-23-4P	681192-26-7P
681192-28-9P	681192-30-3P	681192-31-4P	681192-32-5P	681192-34-7P
681192-35-8P	681192-36-9P	681192-37-0P	681192-39-2P	681192-41-6P
681192-42-7P	681192-43-8P	681192-45-0P	681192-47-2P	681192-49-4P
681192-50-7P	681192-52-9P	681192-54-1P	681192-56-3P	681192-57-4P
681192-59-6P	681192-61-0P	681192-63-2P	681192-65-4P	681192-66-5P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study,

unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT	681192-68-7P	681192-70-1P	681192-72-3P	681192-74-5P	681192-76-7P
	681192-78-9P	681192-79-0P	681192-80-3P	681192-82-5P	681192-84-7P
	681192-86-9P	681192-87-0P	681192-89-2P	681192-90-5P	681192-91-6P
	681192-93-8P	681192-95-0P	681192-96-1P	681192-97-2P	681192-99-4P
	681193-01-1P	681193-03-3P	681193-05-5P	681193-07-7P	681193-08-8P
	681193-10-2P	681193-12-4P	681193-13-5P	681193-14-6P	681193-16-8P
	681193-18-0P	681193-20-4P	681193-22-6P	681193-23-7P	681193-25-9P
	681193-27-1P	681193-29-3P	681193-31-7P	681193-33-9P	681193-35-1P
	681193-36-2P	681193-38-4P	681193-40-8P	681193-42-0P	681193-44-2P
	681193-46-4P	681193-48-6P	681193-49-7P	681193-51-1P	681193-52-2P
	681193-54-4P	681193-56-6P	681193-58-8P	681193-60-2P	681193-62-4P
	681193-64-6P	681193-66-8P	681193-68-0P	681193-69-1P	681193-71-5P
	681193-73-7P	681193-74-8P	681193-76-0P	681193-78-2P	681193-80-6P
	681193-82-8P	681193-84-0P	681193-85-1P	681193-87-3P	681193-88-4P
	681193-89-5P	681193-91-9P	681193-92-0P	681193-93-1P	681193-95-3P
	681193-96-4P	681193-97-5P	681193-98-6P	681193-99-7P	681194-01-4P
	681194-02-5P	681194-04-7P	681194-05-8P	681194-07-0P	681194-09-2P
	681194-10-5P	681194-12-7P	681194-14-9P	681194-16-1P	681194-18-3P
	681194-20-7P	681194-22-9P	681194-23-0P	681194-25-2P	681194-26-3P
	681194-28-5P	681194-30-9P	681194-32-1P	681194-34-3P	681194-36-5P
	681194-38-7P	681194-40-1P	681194-42-3P	681194-44-5P	681194-45-6P
	681194-46-7P	681194-47-8P	681194-48-9P	681194-50-3P	681194-52-5P
	681194-54-7P	681194-56-9P	681194-57-0P	681194-58-1P	681194-60-5P
	681194-62-7P	681194-63-8P	681194-64-9P	681194-66-1P	681194-68-3P
	681194-69-4P	681194-71-8P	681194-73-0P	681194-74-1P	681194-75-2P
	681194-77-4P	681194-78-5P	681194-80-9P	681194-82-1P	681194-84-3P
	681194-85-4P	681194-87-6P	681194-89-8P	681194-91-2P	681194-92-3P
	681194-94-5P	681194-95-6P	681194-97-8P	681194-99-0P	681195-00-6P
	681195-01-7P	681195-02-8P	681195-04-0P	681195-05-1P	681195-07-3P
	681195-08-4P	681195-10-8P	681195-11-9P	681195-13-1P	681195-15-3P
	681195-17-5P	681195-18-6P	681195-19-7P	681195-21-1P	681195-23-3P
	681195-25-5P	681195-27-7P	681195-28-8P	681195-30-2P	681195-32-4P
	681195-34-6P	681195-36-8P	681195-38-0P	681195-39-1P	681195-41-5P
	681195-43-7P	681195-45-9P	681195-47-1P	681195-49-3P	681195-50-6P
	681195-52-8P	681195-54-0P	681195-56-2P	681195-58-4P	681195-59-5P
	681195-61-9P	681195-63-1P	681195-65-3P	681195-67-5P	681195-68-6P
	681195-69-7P	681195-71-1P	681195-73-3P	681195-74-4P	681195-75-5P
	681195-76-6P	681195-78-8P	681195-79-9P	681195-81-3P	681195-83-5P
	681195-85-7P	681195-87-9P	681195-89-1P	681195-90-4P	681195-92-6P
	681195-94-8P	681195-96-0P	681195-98-2P	681195-99-3P	681196-01-0P
	681196-03-2P	681196-05-4P	681196-06-5P	681196-08-7P	681196-10-1P
	681196-12-3P	681196-13-4P	681196-14-5P	681196-16-7P	681196-18-9P
	681196-20-3P	681196-22-5P	681196-24-7P	681196-26-9P	681196-28-1P
	681196-29-2P	681196-30-5P	681196-32-7P	681196-34-9P	681196-36-1P
	681196-38-3P	681196-40-7P	681196-42-9P	681196-44-1P	681196-46-3P
	681196-47-4P	681196-49-6P	681196-51-0P	681196-52-1P	681196-54-3P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT	681196-55-4P	681196-57-6P	681196-59-8P	681196-60-1P	681196-62-3P
	681196-64-5P	681196-65-6P	681196-66-7P	681196-68-9P	681196-70-3P
	681196-72-5P	681196-73-6P	681196-75-8P	681196-76-9P	681196-78-1P
	681196-80-5P	681196-82-7P	681196-84-9P	681196-85-0P	681196-87-2P
	681196-88-3P	681196-90-7P	681196-91-8P	681196-92-9P	681196-93-0P
	681196-94-1P	681196-95-2P	681196-97-4P	681196-99-6P	681197-00-2P
	681197-02-4P	681197-04-6P	681197-06-8P	681197-07-9P	681197-09-1P

681197-11-5P	681197-12-6P	681197-14-8P	681197-16-0P	681197-18-2P
681197-20-6P	681197-22-8P	681197-24-0P	681197-26-2P	681197-27-3P
681197-29-5P	681197-31-9P	681197-33-1P	681197-34-2P	681197-36-4P
681197-37-5P	681197-38-6P	681197-40-0P	681197-41-1P	681197-43-3P
681197-44-4P	681197-45-5P	681197-47-7P	681197-48-8P	681197-49-9P
681197-50-2P	681197-51-3P	681197-53-5P	681197-55-7P	681197-57-9P
681197-59-1P	681197-60-4P	681197-62-6P	681197-63-7P	681197-65-9P
681197-67-1P	681197-68-2P	681197-69-3P	681197-70-6P	681197-71-7P
681197-72-8P	681197-74-0P	681197-75-1P	681197-76-2P	681197-77-3P
681197-79-5P	681197-80-8P	681197-81-9P	681197-83-1P	681197-85-3P
681197-86-4P	681197-88-6P	681197-89-7P	681197-91-1P	681197-92-2P
681197-94-4P	681197-95-5P	681197-97-7P	681197-98-8P	681197-99-9P
681198-01-6P	681198-03-8P	681198-04-9P	681198-05-0P	681198-07-2P
681198-09-4P	681198-11-8P	681198-13-0P	681198-14-1P	681198-15-2P
681198-16-3P	681198-18-5P	681198-20-9P	681198-21-0P	681198-23-2P
681198-24-3P	681198-25-4P	681198-27-6P	681198-29-8P	681198-31-2P
681198-32-3P	681198-33-4P	681198-35-6P	681198-37-8P	681198-38-9P
681198-39-0P	681198-41-4P	681198-42-5P	681198-44-7P	681198-46-9P
681198-47-0P	681198-49-2P	681320-90-1P	681320-92-3P	681320-94-5P
681320-96-7P	681320-97-8P	681320-98-9P	681321-00-6P	681321-01-7P
681321-02-8P	681321-03-9P	681321-05-1P	681321-07-3P	681321-08-4P
681321-10-8P	681321-12-0P	681321-14-2P	681321-16-4P	681321-18-6P
681321-19-7P	681321-20-0P	681321-22-2P	681321-23-3P	681321-25-5P
681321-26-6P	681321-28-8P	681321-29-9P	681321-31-3P	681321-33-5P
681321-34-6P	681321-36-8P	681321-38-0P	681321-40-4P	681321-42-6P
681321-43-7P	681321-45-9P	681321-47-1P	681321-48-2P	681321-49-3P
681321-51-7P	681321-53-9P	681321-54-0P	681321-56-2P	681321-57-3P
681321-59-5P	681321-61-9P	681321-63-1P	681321-64-2P	681321-66-4P
681321-68-6P	681321-69-7P	681321-71-1P	681321-72-2P	681321-74-4P
681321-76-6P	681321-78-8P	681321-80-2P	681321-82-4P	681321-83-5P
681321-84-6P	681321-85-7P	681321-87-9P	681321-89-1P	681321-91-5P
681321-93-7P	681321-94-8P	681321-96-0P	681321-98-2P	681322-00-9P
681322-01-0P	681322-02-1P	681322-04-3P	681322-06-5P	681322-07-6P
681322-09-8P	681322-10-1P	681322-11-2P	681322-13-4P	681322-14-5P
681322-15-6P	681322-17-8P	681322-18-9P	681322-20-3P	681322-22-5P
681322-24-7P	681322-25-8P	681322-27-0P	681322-28-1P	681322-29-2P
681322-31-6P	681322-32-7P	681322-34-9P	681322-35-0P	681322-36-1P
681322-38-3P	681322-40-7P	681322-42-9P	681322-44-1P	681322-45-2P
681322-46-3P	681322-48-5P	681322-49-6P	681322-50-9P	681322-52-1P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT	681322-54-3P	681322-55-4P	681322-57-6P	681322-58-7P	681322-60-1P
	681322-62-3P	681322-64-5P	681322-65-6P	681322-67-8P	681322-69-0P
	681322-71-4P	681322-73-6P	681322-74-7P	681322-76-9P	681322-78-1P
	681322-80-5P	681322-82-7P	681322-83-8P	681322-85-0P	681322-86-1P
	681322-88-3P	681322-90-7P	681322-91-8P	681322-93-0P	681322-95-2P
	681322-96-3P	681322-98-5P	681322-99-6P	681323-00-2P	681323-02-4P
	681323-04-6P	681323-05-7P	681323-07-9P	681323-09-1P	681323-11-5P
	681323-13-7P	681323-14-8P	681323-16-0P	681323-18-2P	681323-19-3P
	681323-20-6P	681323-22-8P	681323-24-0P	681323-25-1P	681323-26-2P
	681323-27-3P	681323-29-5P	681323-31-9P	681323-33-1P	681323-35-3P
	681323-37-5P	681323-38-6P	681323-40-0P	681323-42-2P	681323-43-3P
	681323-45-5P	681323-46-6P	681323-48-8P	681323-50-2P	681323-52-4P
	681323-54-6P	681323-55-7P	681323-57-9P	681323-58-0P	681323-59-1P
	681323-60-4P	681323-62-6P	681323-64-8P	681323-66-0P	681323-67-1P
	681323-68-2P	681323-70-6P	681323-71-7P	681323-72-8P	681323-73-9P
	681323-75-1P	681323-77-3P	681323-79-5P	681323-81-9P	681323-83-1P
	681323-84-2P	681323-86-4P	681323-87-5P	681323-89-7P	681323-91-1P
	681323-92-2P	681323-94-4P	681323-96-6P	681323-98-8P	681324-00-5P
	681324-02-7P	681324-04-9P	681324-05-0P	681324-07-2P	681324-09-4P
	681324-11-8P	681324-12-9P	681324-14-1P	681324-16-3P	681324-18-5P

681324-20-9P	681324-22-1P	681324-24-3P	681324-25-4P	681324-26-5P
681324-27-6P	681324-29-8P	681324-30-1P	681324-31-2P	681324-32-3P
681324-33-4P	681324-34-5P	681324-36-7P	681324-37-8P	681324-39-0P
681324-40-3P	681324-42-5P	681324-44-7P	681324-46-9P	681324-47-0P
681324-48-1P	681324-49-2P	681324-51-6P	681324-52-7P	681324-54-9P
681324-56-1P	681324-58-3P	681324-60-7P	681324-62-9P	681324-64-1P
681324-66-3P	681324-68-5P	681324-69-6P	681324-70-9P	681324-71-0P
681324-72-1P	681324-73-2P	681324-74-3P	681324-75-4P	681324-77-6P
681324-78-7P	681324-80-1P	681324-81-2P	681324-82-3P	681324-84-5P
681324-86-7P	681324-87-8P	681324-89-0P	681324-91-4P	681324-93-6P
681324-95-8P	681324-96-9P	681324-98-1P	681325-00-8P	681325-02-0P
681325-04-2P	681325-06-4P	681325-07-5P	681325-08-6P	681325-10-0P
681325-12-2P	681325-13-3P	681325-14-4P	681325-15-5P	681325-16-6P
681325-17-7P	681325-19-9P	681325-21-3P	681325-22-4P	681325-24-6P
681325-26-8P	681325-27-9P	681325-29-1P	681325-31-5P	681325-33-7P
681325-34-8P	681325-35-9P	681325-37-1P	681325-39-3P	681325-41-7P
681325-43-9P	681325-45-1P	681325-47-3P	681325-49-5P	681325-51-9P
681325-53-1P	681325-55-3P	681325-56-4P	681325-58-6P	681325-59-7P
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681325-71-3P	681325-73-5P	681325-75-7P	681325-77-9P	681325-78-0P
681325-80-4P	681325-82-6P	681325-83-7P	681325-85-9P	681325-87-1P
681325-88-2P	681325-90-6P	681325-92-8P	681325-93-9P	681325-95-1P
681325-97-3P	681325-98-4P	681326-00-1P	681326-02-3P	681326-04-5P
681326-06-7P	681326-08-9P	681326-10-3P	681326-12-5P	681326-14-7P
681326-16-9P	681326-18-1P	681326-20-5P	681326-21-6P	681326-23-8P
681326-25-0P	681326-27-2P	681326-29-4P	681326-31-8P	681326-32-9P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681326-33-0P	681326-35-2P	681326-37-4P	681326-39-6P	681326-41-0P
681326-43-2P	681326-45-4P	681326-46-5P	681326-48-7P	681326-50-1P
681326-52-3P	681326-53-4P	681326-55-6P	681326-56-7P	681326-58-9P
681326-59-0P	681326-60-3P	681326-61-4P	681326-63-6P	681326-64-7P
681326-66-9P	681326-68-1P	681326-70-5P	681326-72-7P	681326-73-8P
681326-74-9P	681326-76-1P	681326-78-3P	681326-80-7P	681326-81-8P
681326-83-0P	681326-85-2P	681516-70-1P	681516-72-3P	681516-74-5P
681516-75-6P	681516-77-8P	681516-79-0P	681516-81-4P	681516-82-5P
681516-84-7P	681516-86-9P	681516-88-1P	681516-90-5P	681516-92-7P
681516-94-9P	681516-96-1P	681516-97-2P	681516-98-3P	681517-00-0P
681517-02-2P	681517-03-3P	681517-05-5P	681517-07-7P	681517-09-9P
681517-11-3P	681517-13-5P	681517-14-6P	681517-16-8P	681517-18-0P
681517-19-1P	681517-21-5P	681517-23-7P	681517-25-9P	681517-26-0P
681517-28-2P	681517-29-3P	681517-31-7P	681517-32-8P	681517-34-0P
681517-35-1P	681517-37-3P	681517-38-4P	681517-40-8P	681517-42-0P
681517-43-1P	681517-45-3P	681517-47-5P	681517-48-6P	681517-50-0P
681517-52-2P	681517-54-4P	681517-56-6P	681517-58-8P	681517-60-2P
681517-62-4P	681517-63-5P	681517-64-6P	681517-65-7P	681517-67-9P
681517-69-1P	681517-71-5P	681517-73-7P	681517-75-9P	681517-77-1P
681517-78-2P	681517-80-6P	681517-82-8P	681517-83-9P	681517-85-1P
681517-87-3P	681517-88-4P	681517-90-8P	681517-92-0P	681517-93-1P
681517-95-3P	681517-97-5P	681517-99-7P	681518-01-4P	681518-03-6P
681518-05-8P	681518-07-0P	681518-09-2P	681518-11-6P	681518-13-8P
681518-15-0P	681518-16-1P	681518-18-3P	681518-20-7P	681518-22-9P
681518-24-1P	681518-26-3P	681518-27-4P	681518-29-6P	681518-31-0P
681518-33-2P	681518-35-4P	681518-37-6P	681518-39-8P	681518-41-2P
681518-43-4P	681518-44-5P	681518-45-6P	681518-46-7P	681518-47-8P
681518-49-0P	681518-51-4P	681518-53-6P	681518-55-8P	681518-57-0P
681518-58-1P	681518-60-5P	681518-62-7P	681518-64-9P	681518-66-1P
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681518-76-3P	681518-78-5P	681518-79-6P	681518-81-0P	681518-82-1P
681518-83-2P	681518-85-4P	681518-87-6P	681518-89-8P	681518-91-2P
681518-92-3P	681518-93-4P	681518-94-5P	681518-95-6P	681518-96-7P

681518-97-8P	681518-98-9P	681518-99-0P	681519-01-7P	681519-03-9P
681519-05-1P	681519-07-3P	681519-09-5P	681519-11-9P	681519-13-1P
681519-14-2P	681519-15-3P	681519-17-5P	681519-18-6P	681519-19-7P
681519-21-1P	681519-22-2P	681519-24-4P	681519-26-6P	681519-28-8P
681519-29-9P	681519-31-3P	681519-32-4P	681519-33-5P	681519-35-7P
681519-36-8P	681519-37-9P	681519-39-1P	681519-41-5P	681519-43-7P
681519-45-9P	681519-47-1P	681519-49-3P	681519-51-7P	681519-53-9P
681519-54-0P	681519-55-1P	681519-57-3P	681519-59-5P	681519-61-9P
681519-62-0P	681519-64-2P	681519-66-4P	681519-67-5P	681519-69-7P
681519-71-1P	681519-73-3P	681519-75-5P	681519-77-7P	681519-79-9P
681519-81-3P	681519-82-4P	681519-83-5P	681519-85-7P	681519-87-9P
681519-88-0P	681519-90-4P	681519-92-6P	681519-93-7P	681519-95-9P
681519-97-1P	681519-99-3P	681520-00-3P	681520-02-5P	681520-04-7P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 681520-06-9P	681520-08-1P	681520-10-5P	681520-11-6P	681520-13-8P
681520-15-0P	681520-17-2P	681520-19-4P	681520-20-7P	681520-22-9P
681520-24-1P	681520-26-3P	681520-28-5P	681520-29-6P	681520-31-0P
681520-32-1P	681520-33-2P	681520-34-3P	681520-36-5P	681520-38-7P
681520-40-1P	681520-42-3P	681520-43-4P	681520-45-6P	681520-47-8P
681520-49-0P	681520-51-4P	681520-53-6P	681520-55-8P	681520-56-9P
681520-57-0P	681520-58-1P	681520-59-2P	681520-61-6P	681520-62-7P
681520-63-8P	681520-65-0P	681520-67-2P	681520-69-4P	681520-71-8P
681520-72-9P	681520-74-1P	681520-76-3P	681520-77-4P	681520-79-6P
681520-81-0P	681520-82-1P	681520-84-3P	681520-86-5P	681520-87-6P
681520-89-8P	681520-90-1P	681520-91-2P	681520-92-3P	681520-94-5P
681520-96-7P	681520-98-9P	681520-99-0P	681521-00-6P	681521-02-8P
681521-04-0P	681521-06-2P	681521-08-4P	681521-10-8P	681521-11-9P
681521-13-1P	681521-14-2P	681521-15-3P	681521-17-5P	681521-19-7P
681521-20-0P	681521-21-1P	681521-23-3P	681521-25-5P	681521-26-6P
681521-27-7P	681521-29-9P	681521-31-3P	681521-33-5P	681521-35-7P
681521-37-9P	681521-38-0P	681521-40-4P	681521-41-5P	681521-42-6P
681521-44-8P	681521-45-9P	681521-47-1P	681521-49-3P	681521-51-7P
681521-53-9P	681521-55-1P	681521-57-3P	681521-58-4P	681521-60-8P
681521-62-0P	681521-64-2P	681521-65-3P	681521-67-5P	681521-69-7P
681521-71-1P	681521-72-2P	681521-74-4P	681521-75-5P	681521-77-7P
681521-78-8P	681521-80-2P	681521-82-4P	681521-84-6P	681521-86-8P
681521-88-0P	681521-90-4P	681521-92-6P	681521-94-8P	681521-95-9P
681521-96-0P	681521-97-1P	681521-98-2P	681522-00-9P	681522-01-0P
681522-03-2P	681522-05-4P	681522-06-5P	681522-07-6P	681522-09-8P
681522-10-1P	681522-12-3P	681522-14-5P	681522-16-7P	681522-18-9P
681522-19-0P	681522-21-4P	681522-23-6P	681522-24-7P	681522-25-8P
681522-27-0P	681522-29-2P	681522-31-6P	681522-33-8P	681522-35-0P
681522-36-1P	681522-37-2P	681522-38-3P	681522-40-7P	681522-42-9P
681522-43-0P	681522-44-1P	681522-46-3P	681522-48-5P	681522-49-6P
681522-50-9P	681522-52-1P	681522-53-2P	681522-55-4P	681522-57-6P
681522-59-8P	681522-61-2P	681522-63-4P	681522-65-6P	681522-67-8P
681522-68-9P	681522-70-3P	681522-72-5P	681522-74-7P	681522-76-9P
681522-78-1P	681522-79-2P	681522-81-6P	681522-83-8P	681522-85-0P
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681522-95-2P	681522-96-3P	681522-97-4P	681522-99-6P	681523-01-3P
681523-03-5P	681523-05-7P	681523-07-9P	681523-09-1P	681523-11-5P
681523-13-7P	681523-15-9P	681523-16-0P	681523-17-1P	681523-18-2P
681523-19-3P	681523-20-6P	681523-21-7P	681523-22-8P	

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

IT 680883-74-3P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; differentially expressed nucleic acids and their encoded proteins and their uses for the diagnosis and treatment of tumor)

RN 680883-74-3 HCAPLUS

CN Tumor-associated antigen PRO81897 (human) (9CI) (CA INDEX NAME)

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SEQ      1 MGRSGKLPSP VSAKLKRWKK GHSSDSNPPI CRHRQAARS FFSRPSGRSD
      51 LTVDAVKLHN ELQSGSLRLG KSEAPETPME EEAEVLVTEK SSGTFLSGLS
     101 DCTNVTFSKV QRFWESNSAA HKEICAVLAA VTEVIRSQGG KETETEFYFAA
     151 LMTTMEAVES PESLAAYAYL LNLVLKRVPS PVLIKKFSDT SKAFMDIMSA
     201 QASSGSTSVL RWVLSCLATL LRKQDLEAWG YPVTQVYHG LLSFTVHPKP
     251 KIRKAAQHGV CSVLKGSEFM FEKAPAHHPA AISTAKFCIQ EIEKSGGSKE
     301 ATTTLHMLTL LKDLLPCFPE GLVKSCSETL LRVMTLSHVL VTACAMQAFH
     351 SLFHARPGLS TLSAELNAQI ITALYDYVPS ENDLQPLLAW LKVMKHAHIN
     401 LVRLQWDLGL GHLPRFFGTA VTCLLSPHSQ VLTAAATQSLK EILKECVAPH
     451 MADIGSVTSS ASGPAQSVAK MFRAVEEGLT YKFHAAWSSV LQLLCVFFEA
     501 CGRQAHPVMR KCLQSLCDLR LSPHPHTAA LDQAVGAAVT SMGPEVVLQA
     551 VPLEIDGSEE TLDFFPSWLL PVIRDHVQET RLGFFTTYFL PLANTLKSKA
     601 MDLAQAGSTV ESKIYDTLQW QMWTLLPGFC TRPTDVAISF KGLARTLGMA
     651 ISERPDLRVT VCQALRTLIT KGCQAEADRA EVSRFAKNFL PILFNLYGQP
     701 VAAGDTPAPR RAVLETIRTY LTITDTQLVN SLLEKASEKV LDPASSDFTR
     751 LSVLDLVVAL APCADEAAIS KLYSTIRPYL ESKAHGVQKK AYRVLEEVCA
     801 SPQGPQALFV QSHLEDLKKT LLDSLSTSS PAKRPRKCL LHIVRKLSAE
     851 HKEFITALIP EVILCTKEVS VGARKNAFAL LVEMGHAFRL FGSNQEEALQ
     901 CYLVLIYPGL VGAVTMVSCS ILALTHLLFE FKGLMGSTSTV EQLLENVCLL
     951 LASRTRDVVK SALGFIKVAV TVMDVAHLAK HVQLVMEAIG KLSDDMRHF
    1001 RMKLRNLFTK FIRKGFELV KRLLPEEYHR VLVNIRKAEA RAKRHRALSQ
    1051 AAVEEEEEEE EEEPAQGGK DSIEEILADS EDEEDNEEEE RSRGKEQRKL
    1101 ARQRSRAWLK EGGGDEPLNF LDPKVAQRVL ATQPGPGRGR KKDHSFKVSA
    1151 DGRLIIREEA DGNKMEEEEG AKGEDEEMAD PMEDVIIRNK KHQKLKHQKE
    1201 AEEEELEIPP QYQAGSGSIH RPAKKAMPG AEYKAKKAG DVKKKGRPDP
    1251 YAYIPLNRSK LNRKMKMLQ GQFKGLVKAA RRGSVGVHKN RRDORRP

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L9 ANSWER 9 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:982807 HCAPLUS

DN 141:83218

ED Entered STN: 17 Dec 2003

TI The Secreted Protein Discovery Initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: A bioinformatics assessment. [Erratum to document cited in CA139:287122]

AU Clark, Hilary F.; Gurney, Austin L.; Abaya, Evangeline; Baker, Kevin; Baldwin, Daryl; Brush, Jennifer; Chen, Jian; Chow, Bernard; Chui, Clarissa; Crowley, Craig; Currell, Bridget; Deuel, Bethanne; Dowd, Patrick; Eaton, Dan; Foster, Jessica; Gray, Alane; Grimaldi, Christopher; Gu, Qimin; Hass, Philip E.; Heldens, Sherry; Huang, Arthur; Kim, Hok Seon; Klimowski, Laura; Jin, Yisheng; Johnson, Stephanie; Lee, James; Lewis, Lhney; Liao, Dongzhou; Mark, Melanie; Robbie, Edward; Sanchez, Celina; Schoenfeld, Jill; Seshagiri, Somasekar; Simmons, Laura; Singh, Jennifer; Smith, Victoria; Stinson, Jeremy; Vagts, Alicia; Vandlen, Richard; Watanabe, Colin; Wieand, David; Woods, Kathryn; Xie, Ming-hong; Yansura, Daniel; Yi, Sothy; Yu, Guoying; Yuan, Jean; Zhang, Min; Zhang, Zemin; Goddard, Audrey; Wood, William I.; Godowski, Paul

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SO Genome Research (2003), 13(12), 2759

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PB Cold Spring Harbor Laboratory Press

DT Journal  
 LA English  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6  
 AB Alane Gray is added to the author list.  
 ST erratum secretory protein discovery cDNA sequence human; bioinformatics  
 signal sequence secretory protein discovery erratum  
 IT Bioinformatics  
 Human  
 Protein sequences  
 cDNA sequences  
 (bioinformatics assessment of Secreted Protein Discovery Initiative  
 (SPDI) in large-scale effort to identify novel human secreted and  
 transmembrane proteins (Erratum))  
 IT Signal peptides  
 RL: ANT (Analyte); ANST (Analytical study)  
 (bioinformatics assessment of Secreted Protein Discovery Initiative  
 (SPDI) in large-scale effort to identify novel human secreted and  
 transmembrane proteins (Erratum))  
 IT Genetic methods  
 (gene discovery; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) in large-scale effort to identify novel  
 human secreted and transmembrane proteins (Erratum))  
 IT Proteins  
 RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties);  
 ANST (Analytical study); BIOL (Biological study)  
 (secretory; bioinformatics assessment of Secreted Protein Discovery  
 Initiative (SPDI) in large-scale effort to identify novel human  
 secreted and transmembrane proteins (Erratum))  
 IT Genetic element  
 RL: ANT (Analyte); ANST (Analytical study)  
 (signal sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) in large-scale effort to identify novel  
 human secreted and transmembrane proteins (Erratum))  
 IT Proteins  
 RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties);  
 ANST (Analytical study); BIOL (Biological study)  
 (transmembrane; bioinformatics assessment of Secreted Protein Discovery  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein Discovery Initiative (SPDI) in large-scale effort to identify novel human secreted and transmembrane proteins (Erratum))

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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) in large-scale effort to identify novel  
 human secreted and transmembrane proteins (Erratum))

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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) in large-scale effort to identify novel

## human secreted and transmembrane proteins (Erratum))

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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

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	606661-12-5	606661-14-7	606661-16-9	606661-18-1	606661-20-5
	606661-22-7	606661-24-9	606661-26-1	606661-28-3	606661-30-7
	606661-32-9	606661-34-1	606661-36-3	606661-38-5	606661-40-9
	606661-42-1	606661-44-3	606661-46-5	606661-48-7	606661-50-1
	606661-52-3	606661-54-5	606661-56-7	606661-58-9	606661-60-3
	606661-62-5	606661-64-7	606661-66-9	606661-68-1	606661-70-5
	606661-72-7	606661-74-9	606661-76-1	606661-78-3	606661-80-7

606661-82-9	606661-84-1	606661-86-3	606661-88-5	606661-90-9
606661-92-1	606661-94-3	606661-96-5	606661-98-7	606662-00-4
606662-02-6	606662-04-8	606662-06-0	606662-08-2	606662-10-6
606662-12-8	606662-14-0	606662-16-2	606662-18-4	606662-20-8
606662-22-0	606662-24-2	606662-26-4	606662-28-6	606662-30-0
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606662-42-4	606662-44-6	606662-46-8	606662-48-0	606662-50-4
606662-52-6	606662-54-8	606662-56-0	606662-58-2	

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

IT	606640-57-7	606640-59-9	606640-61-3	606640-63-5	606640-65-7
	606640-67-9	606640-69-1	606640-71-5	606640-73-7	606640-75-9
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	606640-87-3	606640-89-5	606640-91-9	606640-93-1	606640-95-3
	606640-97-5	606640-99-7	606641-01-4	606641-03-6	606641-05-8
	606641-07-0	606641-09-2	606641-11-6	606641-13-8	606641-15-0
	606641-17-2	606641-19-4	606641-21-8	606641-23-0	606641-25-2
	606641-27-4	606641-29-6	606641-31-0	606641-33-2	606641-35-4
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	606641-47-8	606641-49-0	606641-51-4	606641-53-6	606641-55-8
	606641-57-0	606641-59-2	606641-61-6	606641-63-8	606641-65-0
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	606641-87-6	606641-89-8	606641-91-2	606641-93-4	606641-95-6
	606641-97-8	606641-99-0	606642-01-7	606642-03-9	606642-05-1
	606642-07-3	606642-09-5	606642-11-9	606642-13-1	606642-15-3
	606642-17-5	606642-19-7	606642-21-1	606642-23-3	606642-25-5
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	606642-87-9	606642-89-1	606642-91-5	606642-93-7	606642-95-9
	606642-97-1	606642-99-3	606643-01-0	606643-03-2	606643-05-4
	606643-07-6	606643-09-8	606643-11-2	606643-13-4	606643-15-6
	606643-17-8	606643-19-0	606643-21-4	606643-23-6	606643-25-8
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	606643-47-4	606643-49-6	606643-51-0	606643-53-2	606643-55-4
	606643-57-6	606643-59-8	606643-61-2	606643-63-4	606643-65-6
	606643-67-8	606643-69-0	606643-71-4	606643-73-6	606643-75-8
	606643-77-0	606643-79-2	606643-81-6	606643-83-8	606643-85-0
	606643-87-2	606643-89-4	606643-91-8	606643-93-0	606643-95-2
	606643-97-4	606643-99-6	606644-01-3	606644-03-5	606644-05-7
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	606645-07-2	606645-09-4	606645-11-8	606645-13-0	606645-15-2
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	606645-27-6	606645-29-8			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))



606652-43-1	606652-45-3	606652-47-5	606652-49-7	606652-51-1
606652-53-3	606652-55-5	606652-57-7	606652-59-9	606652-61-3
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606653-03-6	606653-05-8	606653-07-0	606653-09-2	606653-11-6
606653-13-8	606653-15-0	606653-17-2	606653-19-4	606653-21-8
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606653-73-0	606653-75-2	606653-77-4	606653-79-6	606653-81-0
606653-83-2	606653-85-4	606653-87-6	606653-89-8	606653-91-2
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606654-13-1	606654-15-3	606654-17-5	606654-19-7	606654-21-1
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606655-23-6	606655-25-8	606655-27-0	606655-29-2	606655-31-6
606655-33-8	606655-35-0	606655-37-2	606655-39-4	606655-41-8
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606655-63-4	606655-65-6	606655-67-8	606655-69-0	606655-71-4
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606655-83-8	606655-85-0			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

IT	606655-87-2	606655-89-4	606655-91-8	606655-93-0	606655-95-2
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	606656-67-1	606656-69-3	606656-71-7	606656-73-9	606656-75-1
	606656-77-3	606656-79-5	606656-81-9	606656-83-1	606656-85-3
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	606657-37-8	606657-39-0	606657-41-4	606657-43-6	606657-45-8
	606657-47-0	606657-49-2	606657-51-6	606657-53-8	606657-55-0
	606657-57-2	606657-59-4	606657-61-8	606657-63-0	606657-65-2
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	606657-77-6	606657-79-8	606657-81-2	606657-83-4	606657-85-6
	606657-87-8	606657-89-0	606657-91-4	606657-93-6	606657-95-8
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	606658-07-5	606658-09-7	606658-11-1	606658-13-3	606658-15-5
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	606658-27-9	606658-29-1	606658-31-5	606658-33-7	606658-35-9
	606658-37-1	606658-39-3	606658-41-7	606658-43-9	606658-45-1

606658-47-3	606658-49-5	606658-51-9	606658-53-1	606658-55-3
606658-57-5	606658-59-7	606658-61-1	606658-63-3	606658-65-5
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606659-17-0	606659-19-2	606659-21-6	606659-23-8	606659-25-0
606659-27-2	606659-29-4	606659-31-8	606659-33-0	606659-35-2
606659-37-4	606659-39-6	606659-41-0	606659-43-2	606659-45-4
606659-47-6	606659-49-8	606659-51-2	606659-53-4	606659-55-6
606659-57-8	606659-59-0	606659-61-4	606659-63-6	606659-65-8
606659-67-0	606659-69-2	606659-71-6	606659-73-8	606659-75-0
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606659-87-4	606659-89-6	606659-91-0	606659-93-2	606659-95-4
606659-97-6	606659-99-8	606660-01-9	606660-03-1	606660-05-3
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606660-47-3	606660-49-5	606660-51-9	606660-53-1	606660-55-3
606660-57-5	606660-59-7			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

IT	606660-61-1	606660-63-3	606660-65-5	606660-67-7	606660-69-9
	606660-71-3	606660-73-5	606660-75-7	606660-77-9	606660-79-1
	606660-81-5	606660-83-7	606660-85-9	606660-87-1	606660-89-3
	606660-91-7	606660-93-9	606660-95-1	606660-97-3	606660-99-5
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	606661-11-4	606661-13-6	606661-15-8	606661-17-0	606661-19-2
	606661-21-6	606661-23-8	606661-25-0	606661-27-2	606661-29-4
	606661-31-8	606661-33-0	606661-35-2	606661-37-4	606661-39-6
	606661-41-0	606661-43-2	606661-45-4	606661-47-6	606661-49-8
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	606661-71-6	606661-73-8	606661-75-0	606661-77-2	606661-79-4
	606661-81-8	606661-83-0	606661-85-2	606661-87-4	606661-89-6
	606661-91-0	606661-93-2	606661-95-4	606661-97-6	606661-99-8
	606662-01-5	606662-03-7	606662-05-9	606662-07-1	606662-09-3
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	606662-31-1	606662-33-3	606662-35-5	606662-37-7	606662-39-9
	606662-41-3	606662-43-5	606662-45-7	606662-47-9	606662-49-1
	606662-51-5	606662-53-7	606662-55-9	606662-57-1	

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

IT **606649-80-3**

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) in large-scale effort to identify novel  
human secreted and transmembrane proteins (Erratum))

RN 606649-80-3 HCAPLUS

CN SAMK3000 protein (human clone DNA108728 gene UNQ3000) (9CI) (CA INDEX  
NAME)

SEQ 1 MSAMKSVLPL LNPYCVLAFV YACMCVRAHV CVCVYMCMCV LCACVCTCRK  
51 KVMCGNGEFQ PRRRLCLGLP REVVTILRETG SKCTLPSSSL CDLGQVTSAP

L9 ANSWER 10 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:819228 HCAPLUS  
 DN 139:287122  
 ED Entered STN: 19 Oct 2003  
 TI The Secreted Protein Discovery Initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: A bioinformatics assessment  
 AU Clark, Hilary F.; Gurney, Austin L.; Abaya, Evangeline; Baker, Kevin; Baldwin, Daryl; Brush, Jennifer; Chen, Jian; Chow, Bernard; Chui, Clarissa; Crowley, Craig; Currell, Bridget; Deuel, Bethanne; Dowd, Patrick; Eaton, Dan; Foster, Jessica; Grimaldi, Christopher; Gu, Qimin; Hass, Philip E.; Heldens, Sherry; Huang, Arthur; Kim, Hok Seon; Klimowski, Laura; Jin, Yisheng; Johnson, Stephanie; Lee, James; Lewis, Lhney; Liao, Dongzhou; Mark, Melanie; Robbie, Edward; Sanchez, Celina; Schoenfeld, Jill; Seshagiri, Somasekar; Simmons, Laura; Singh, Jennifer; Smith, Victoria; Stinson, Jeremy; Vagts, Alicia; Vandlen, Richard; Watanabe, Colin; Wieand, David; Woods, Kathryn; Xie, Ming-Hong; Yansura, Daniel; Yi, Sothy; Yu, Guoying; Yuan, Jean; Zhang, Min; Zhang, Zemin; Goddard, Audrey; Wood, William I.; Godowski, Paul  
 CS Departments of Bioinformatics, Molecular Biology and Protein Chemistry, Genentech, Inc., South San Francisco, CA, 94080, USA  
 SO Genome Research (2003), 13(10), 2265-2270  
 CODEN: GEREFS; ISSN: 1088-9051  
 PB Cold Spring Harbor Laboratory Press  
 DT Journal  
 LA English  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 13  
 AB A large-scale effort, termed the Secreted Protein Discovery Initiative (SPDI), was undertaken to identify novel secreted and transmembrane proteins. In the first of several approaches, a biol. signal sequence trap in yeast cells was utilized to identify cDNA clones encoding putative secreted proteins. A second strategy utilized various algorithms that recognize features such as the hydrophobic properties of signal sequences to identify putative proteins encoded by expressed sequence tags (ESTs) from human cDNA libraries. A third approach surveyed ESTs for protein sequence similarity to a set of known receptors and their ligands with the BLAST algorithm. Finally, both signal-sequence prediction algorithms and BLAST were used to identify single exons of potential genes from within human genomic sequence. The isolation of full-length cDNA clones for each of these candidate genes resulted in the identification of >1000 novel proteins. A total of 256 of these cDNAs are still novel, including variants and novel genes, per the most recent GenBank release version. The success of this large-scale effort was assessed by a bioinformatics anal. of the proteins through predictions of protein domains, subcellular localizations, and possible functional roles. The SPDI collection should facilitate efforts to better understand intercellular communication, may lead to new understandings of human diseases, and provides potential opportunities for the development of therapeutics.  
 ST secretory protein discovery cDNA sequence human; bioinformatics signal sequence secretory protein discovery  
 IT Bioinformatics  
 Human  
 Protein sequences  
 cDNA sequences  
 (bioinformatics assessment of Secreted Protein Discovery Initiative (SPDI) as large-scale effort to identify novel human secreted and transmembrane proteins)  
 IT Signal peptides  
 RL: ANT (Analyte); ANST (Analytical study)  
 (bioinformatics assessment of Secreted Protein Discovery Initiative (SPDI) as large-scale effort to identify novel human secreted and transmembrane proteins)

IT Genetic methods  
 (gene discovery; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

IT Proteins  
 RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties);  
 ANST (Analytical study); BIOL (Biological study)  
 (secretory; bioinformatics assessment of Secreted Protein Discovery  
 Initiative (SPDI) as large-scale effort to identify novel human  
 secreted and transmembrane proteins)

IT Genetic element  
 RL: ANT (Analyte); ANST (Analytical study)  
 (signal sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

IT Proteins  
 RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties);  
 ANST (Analytical study); BIOL (Biological study)  
 (transmembrane; bioinformatics assessment of Secreted Protein Discovery  
 Initiative (SPDI) as large-scale effort to identify novel human  
 secreted and transmembrane proteins)

IT

606640-58-8	606640-60-2	606640-62-4	606640-64-6	606640-66-8
606640-68-0	606640-70-4	606640-72-6	606640-74-8	606640-76-0
606640-78-2	606640-80-6	606640-82-8	606640-84-0	GenBank AAQ88461
606640-86-2	606640-88-4	606640-90-8	606640-92-0	606640-94-2
606640-96-4	606640-98-6	606641-00-3	606641-02-5	606641-04-7
606641-06-9	606641-08-1	606641-10-5	606641-12-7	606641-14-9
606641-16-1	606641-18-3	606641-20-7	606641-22-9	606641-24-1
606641-26-3	606641-28-5	606641-30-9	606641-32-1	606641-34-3
606641-36-5	606641-38-7	606641-40-1	606641-42-3	606641-44-5
606641-46-7	606641-48-9	606641-50-3	606641-52-5	606641-54-7
606641-56-9	606641-58-1	606641-60-5	606641-62-7	606641-64-9
606641-66-1	606641-68-3	606641-70-7	606641-72-9	606641-74-1
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606641-96-7	606641-98-9	606642-00-6	606642-02-8	606642-04-0
606642-06-2	606642-08-4	606642-10-8	606642-12-0	606642-14-2
606642-16-4	606642-18-6	606642-20-0	606642-22-2	606642-24-4
606642-26-6	606642-28-8	606642-30-2	606642-32-4	606642-34-6
606642-36-8	606642-38-0	606642-40-4	606642-42-6	606642-44-8
606642-46-0	606642-48-2	606642-50-6	606642-52-8	606642-54-0
606642-56-2	606642-58-4	606642-60-8	606642-62-0	606642-64-2
606642-66-4	606642-68-6	606642-70-0	606642-72-2	606642-74-4
606642-76-6	606642-78-8	606642-80-2	606642-82-4	606642-84-6
606642-86-8	606642-88-0	606642-90-4	606642-92-6	606642-94-8
606642-96-0	606642-98-2	606643-00-9	606643-02-1	606643-04-3
606643-06-5	606643-08-7	606643-10-1	606643-12-3	606643-14-5
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606644-26-2	606644-28-4	606644-30-8	606644-32-0	606644-34-2
606644-36-4	606644-38-6	606644-40-0	606644-42-2	606644-44-4
606644-46-6	606644-48-8	606644-50-2	606644-52-4	606644-54-6
606644-56-8	606644-58-0	606644-60-4	606644-62-6	606644-64-8
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606644-76-2	606644-78-4	606644-80-8	606644-82-0	606644-84-2
606644-86-4	606644-88-6	606644-90-0	606644-92-2	606644-94-4
606644-96-6	606644-98-8	606645-00-5	606645-02-7	606645-04-9

606645-06-1 606645-08-3 606645-10-7 606645-12-9 606645-14-1  
 606645-16-3 606645-18-5 606645-20-9 606645-22-1 606645-24-3  
 606645-26-5 606645-28-7 606645-30-1

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

IT	606645-32-3	606645-34-5	606645-36-7	606645-38-9	606645-40-3
	606645-42-5	606645-44-7	606645-46-9	606645-48-1	606645-50-5
	606645-52-7	606645-54-9	606645-56-1	606645-58-3	606645-60-7
	606645-62-9	606645-64-1	606645-66-3	606645-68-5	606645-70-9
	606645-72-1	606645-74-3	606645-76-5	606645-78-7	606645-80-1
	606645-82-3	606645-84-5	606645-86-7	606645-88-9	606645-90-3
	606645-92-5	606645-94-7	606645-96-9	606645-98-1	606646-00-8
	606646-02-0	606646-04-2	606646-06-4	606646-08-6	606646-10-0
	606646-12-2	606646-14-4	606646-16-6	606646-18-8	606646-20-2
	606646-22-4	606646-24-6	606646-26-8	606646-28-0	606646-30-4
	606646-32-6	606646-34-8	606646-36-0	606646-38-2	606646-40-6
	606646-42-8	606646-44-0	606646-46-2	606646-48-4	606646-50-8
	606646-52-0	606646-54-2	606646-56-4	606646-58-6	606646-60-0
	606646-62-2	606646-64-4	606646-66-6	606646-68-8	606646-70-2
	606646-72-4	606646-74-6	606646-76-8	606646-78-0	606646-80-4
	606646-82-6	606646-84-8	606646-86-0	606646-88-2	606646-90-6
	606646-92-8	606646-94-0	606646-96-2	606646-98-4	606647-00-1
	606647-02-3	606647-04-5	606647-06-7	606647-08-9	606647-10-3
	606647-12-5	606647-14-7	606647-16-9	606647-18-1	606647-20-5
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	606647-32-9	606647-34-1	606647-36-3	606647-38-5	606647-40-9
	606647-42-1	606647-44-3	606647-46-5	606647-48-7	606647-50-1
	606647-52-3	606647-54-5	606647-56-7	606647-58-9	606647-60-3
	606647-62-5	606647-64-7	606647-66-9	606647-68-1	606647-70-5
	606647-72-7	606647-74-9	606647-76-1	606647-78-3	606647-80-7
	606647-82-9	606647-84-1	606647-86-3	606647-88-5	606647-90-9
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	606648-02-6	606648-04-8	606648-06-0	606648-08-2	606648-10-6
	606648-12-8	606648-14-0	606648-16-2	606648-18-4	606648-20-8
	606648-22-0	606648-24-2	606648-26-4	606648-28-6	606648-30-0
	606648-32-2	606648-34-4	606648-36-6	606648-38-8	606648-40-2
	606648-42-4	606648-44-6	606648-46-8	606648-48-0	606648-50-4
	606648-52-6	606648-54-8	606648-56-0	606648-58-2	606648-60-6
	606648-62-8	606648-64-0	606648-66-2	606648-68-4	606648-70-8
	606648-78-6	606648-80-0	606648-82-2	606648-84-4	606648-86-6
	606648-88-8	606648-90-2	606648-92-4	606648-94-6	606648-96-8
	606648-98-0	606649-00-7	606649-02-9	606649-04-1	606649-06-3
	606649-08-5	606649-10-9	606649-12-1	606649-14-3	606649-16-5
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	606649-28-9	606649-30-3	606649-32-5	606649-34-7	606649-36-9
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	606649-48-3	606649-50-7	606649-52-9	606649-54-1	606649-56-3
	606649-58-5	606649-60-9	606649-62-1	606649-64-3	606649-66-5
	606649-68-7	606649-70-1	606649-72-3	606649-74-5	606649-76-7
	606649-78-9	606649-80-3	606649-82-5	606649-84-7	
	606649-86-9	606649-88-1	606649-90-5	606649-92-7	606649-94-9
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	606650-06-0	606650-08-2	606650-10-6		

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

IT	606650-12-8	606650-14-0	606650-16-2	606650-18-4	606650-20-8
	606650-22-0	606650-24-2	606650-26-4	606650-28-6	606650-30-0
	606650-32-2	606650-34-4	606650-36-6	606650-38-8	606650-40-2
	606650-42-4	606650-44-6	606650-46-8	606650-48-0	606650-50-4
	606650-52-6	606650-54-8	606650-56-0	606650-58-2	606650-60-6

606650-62-8	606651-66-5	606651-68-7	606651-70-1	606651-72-3
606651-74-5	606651-76-7	606651-78-9	606651-80-3	606651-82-5
606651-84-7	606651-86-9	606651-88-1	606651-90-5	606651-92-7
606651-94-9	606651-96-1	606651-98-3	606652-00-0	606652-02-2
606652-04-4	606652-06-6	606652-08-8	606652-10-2	606652-12-4
606652-14-6	606652-16-8	606652-18-0	606652-20-4	606652-22-6
606652-24-8	606652-26-0	606652-28-2	606652-30-6	606652-32-8
606652-34-0	606652-36-2	606652-38-4	606652-40-8	606652-42-0
606652-44-2	606652-46-4	606652-48-6	606652-50-0	606652-52-2
606652-54-4	606652-56-6	606652-58-8	606652-60-2	606652-62-4
606652-64-6	606652-66-8	606652-68-0	606652-70-4	606652-72-6
606652-74-8	606652-76-0	606652-78-2	606652-80-6	606652-82-8
606652-84-0	606652-86-2	606652-88-4	606652-90-8	606652-92-0
606652-94-2	606652-96-4	606652-98-6	606653-00-3	606653-02-5
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606653-74-1	606653-76-3	606653-78-5	606653-80-9	606653-82-1
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606653-94-5	606653-96-7	606653-98-9	606654-00-6	606654-02-8
606654-04-0	606654-06-2	606654-08-4	606654-10-8	606654-12-0
606654-14-2	606654-16-4	606654-18-6	606654-20-0	606654-22-2
606654-24-4	606654-26-6	606654-28-8	606654-30-2	606654-32-4
606654-34-6	606654-36-8	606654-38-0	606654-40-4	606654-42-6
606654-44-8	606654-46-0	606654-48-2	606654-50-6	606654-52-8
606654-54-0	606654-56-2	606654-58-4	606654-60-8	606654-62-0
606654-64-2	606654-66-4	606654-68-6	606654-70-0	606654-72-2
606654-74-4	606654-76-6	606654-78-8	606654-80-2	606654-82-4
606654-84-6	606654-86-8	606654-88-0	606654-90-4	606654-92-6
606654-94-8	606654-96-0	606654-98-2	606655-00-9	606655-02-1
606655-04-3	606655-06-5	606655-08-7	606655-10-1	606655-12-3
606655-14-5	606655-16-7	606655-18-9	606655-20-3	606655-22-5
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606655-44-1	606655-46-3	606655-48-5	606655-50-9	606655-52-1
606655-54-3	606655-56-5	606655-58-7	606655-60-1	606655-62-3
606655-64-5	606655-66-7	606655-68-9	606655-70-3	606655-72-5
606655-74-7	606655-76-9	606655-78-1	606655-80-5	606655-82-7
606655-84-9	606655-86-1			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) as large-scale effort to identify novel  
human secreted and transmembrane proteins)

IT	606655-88-3	606655-90-7	606655-92-9	606655-94-1	606655-96-3
	606655-98-5	606656-00-2	606656-02-4	606656-04-6	606656-06-8
	606656-08-0	606656-10-4	606656-12-6	606656-14-8	606656-16-0
	606656-18-2	606656-20-6	606656-22-8	606656-24-0	606656-26-2
	606656-28-4	606656-30-8	606656-32-0	606656-34-2	606656-36-4
	606656-38-6	606656-40-0	606656-42-2	606656-44-4	606656-46-6
	606656-48-8	606656-50-2	606656-52-4	606656-54-6	606656-56-8
	606656-58-0	606656-60-4	606656-62-6	606656-64-8	606656-66-0
	606656-68-2	606656-70-6	606656-72-8	606656-74-0	606656-76-2
	606656-78-4	606656-80-8	606656-82-0	606656-84-2	606656-86-4
	606656-88-6	606656-90-0	606656-92-2	606656-94-4	606656-96-6
	606656-98-8	606657-00-5	606657-02-7	606657-04-9	606657-06-1
	606657-08-3	606657-10-7	606657-12-9	606657-14-1	606657-16-3
	606657-18-5	606657-20-9	606657-22-1	606657-24-3	606657-26-5
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	606657-58-3	606657-60-7	606657-62-9	606657-64-1	606657-66-3

606657-68-5	606657-70-9	606657-72-1	606657-74-3	606657-76-5
606657-78-7	606657-80-1	606657-82-3	606657-84-5	606657-86-7
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606658-08-6	606658-10-0	606658-12-2	606658-14-4	606658-16-6
606658-18-8	606658-20-2	606658-22-4	606658-24-6	606658-26-8
606658-28-0	606658-30-4	606658-32-6	606658-34-8	606658-36-0
606658-38-2	606658-40-6	606658-42-8	606658-44-0	606658-46-2
606658-48-4	606658-50-8	606658-52-0	606658-54-2	606658-56-4
606658-58-6	606658-60-0	606658-62-2	606658-64-4	606658-66-6
606658-68-8	606658-70-2	606658-72-4	606658-74-6	606658-76-8
606658-78-0	606658-80-4	606658-82-6	606658-84-8	606658-86-0
606658-88-2	606658-90-6	606658-92-8	606658-94-0	606658-96-2
606658-98-4	606659-00-1	606659-02-3	606659-04-5	606659-06-7
606659-08-9	606659-10-3	606659-12-5	606659-14-7	606659-16-9
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606659-98-7	606660-00-8	606660-02-0	606660-04-2	606660-06-4
606660-08-6	606660-10-0	606660-12-2	606660-14-4	606660-16-6
606660-18-8	606660-20-2	606660-22-4	606660-24-6	606660-26-8
606660-28-0	606660-30-4	606660-32-6	606660-34-8	606660-36-0
606660-38-2	606660-40-6	606660-42-8	606660-44-0	606660-46-2
606660-48-4	606660-50-8	606660-52-0	606660-54-2	606660-56-4
606660-58-6	606660-60-0			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) as large-scale effort to identify novel  
human secreted and transmembrane proteins)

IT	606660-62-2	606660-64-4	606660-66-6	606660-68-8	606660-70-2
	606660-72-4	606660-74-6	606660-76-8	606660-78-0	606660-80-4
	606660-82-6	606660-84-8	606660-86-0	606660-88-2	606660-90-6
	606660-92-8	606660-94-0	606660-96-2	606660-98-4	606661-00-1
	606661-02-3	606661-04-5	606661-06-7	606661-08-9	606661-10-3
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	606661-22-7	606661-24-9	606661-26-1	606661-28-3	606661-30-7
	606661-32-9	606661-34-1	606661-36-3	606661-38-5	606661-40-9
	606661-42-1	606661-44-3	606661-46-5	606661-48-7	606661-50-1
	606661-52-3	606661-54-5	606661-56-7	606661-58-9	606661-60-3
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	606661-72-7	606661-74-9	606661-76-1	606661-78-3	606661-80-7
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	606662-02-6	606662-04-8	606662-06-0	606662-08-2	606662-10-6
	606662-12-8	606662-14-0	606662-16-2	606662-18-4	606662-20-8
	606662-22-0	606662-24-2	606662-26-4	606662-28-6	606662-30-0
	606662-32-2	606662-34-4	606662-36-6	606662-38-8	606662-40-2
	606662-42-4	606662-44-6	606662-46-8	606662-48-0	606662-50-4
	606662-52-6	606662-54-8	606662-56-0	606662-58-2	

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) as large-scale effort to identify novel  
human secreted and transmembrane proteins)

IT	606640-57-7	606640-59-9	606640-61-3	606640-63-5	606640-65-7
	606640-67-9	606640-69-1	606640-71-5	606640-73-7	606640-75-9
	606640-77-1	606640-79-3	606640-81-7	606640-83-9	606640-85-1
	606640-87-3	606640-89-5	606640-91-9	606640-93-1	606640-95-3
	606640-97-5	606640-99-7	606641-01-4	606641-03-6	606641-05-8
	606641-07-0	606641-09-2	606641-11-6	606641-13-8	606641-15-0

606641-17-2	606641-19-4	606641-21-8	606641-23-0	606641-25-2
606641-27-4	606641-29-6	606641-31-0	606641-33-2	606641-35-4
606641-37-6	606641-39-8	606641-41-2	606641-43-4	606641-45-6
606641-47-8	606641-49-0	606641-51-4	606641-53-6	606641-55-8
606641-57-0	606641-59-2	606641-61-6	606641-63-8	606641-65-0
606641-67-2	606641-69-4	606641-71-8	606641-73-0	606641-75-2
606641-77-4	606641-79-6	606641-81-0	606641-83-2	606641-85-4
606641-87-6	606641-89-8	606641-91-2	606641-93-4	606641-95-6
606641-97-8	606641-99-0	606642-01-7	606642-03-9	606642-05-1
606642-07-3	606642-09-5	606642-11-9	606642-13-1	606642-15-3
606642-17-5	606642-19-7	606642-21-1	606642-23-3	606642-25-5
606642-27-7	606642-29-9	606642-31-3	606642-33-5	606642-35-7
606642-37-9	606642-39-1	606642-41-5	606642-43-7	606642-45-9
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606642-97-1	606642-99-3	606643-01-0	606643-03-2	606643-05-4
606643-07-6	606643-09-8	606643-11-2	606643-13-4	606643-15-6
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606643-47-4	606643-49-6	606643-51-0	606643-53-2	606643-55-4
606643-57-6	606643-59-8	606643-61-2	606643-63-4	606643-65-6
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606643-87-2	606643-89-4	606643-91-8	606643-93-0	606643-95-2
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606644-67-1	606644-69-3	606644-71-7	606644-73-9	606644-75-1
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606644-97-7	606644-99-9	606645-01-6	606645-03-8	606645-05-0
606645-07-2	606645-09-4	606645-11-8	606645-13-0	606645-15-2
606645-17-4	606645-19-6	606645-21-0	606645-23-2	606645-25-4
606645-27-6	606645-29-8			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) as large-scale effort to identify novel  
human secreted and transmembrane proteins)

IT	606645-31-2	606645-33-4	606645-35-6	606645-37-8	606645-39-0
	606645-41-4	606645-43-6	606645-45-8	606645-47-0	606645-49-2
	606645-51-6	606645-53-8	606645-55-0	606645-57-2	606645-59-4
	606645-61-8	606645-63-0	606645-65-2	606645-67-4	606645-69-6
	606645-71-0	606645-73-2	606645-75-4	606645-77-6	606645-79-8
	606645-81-2	606645-83-4	606645-85-6	606645-87-8	606645-89-0
	606645-91-4	606645-93-6	606645-95-8	606645-97-0	606645-99-2
	606646-01-9	606646-03-1	606646-05-3	606646-07-5	606646-09-7
	606646-11-1	606646-13-3	606646-15-5	606646-17-7	606646-19-9
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606647-41-0	606647-43-2	606647-45-4	606647-47-6	606647-49-8
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606647-71-6	606647-73-8	606647-75-0	606647-77-2	606647-79-4
606647-81-8	606647-83-0	606647-85-2	606647-87-4	606647-89-6
606647-91-0	606647-93-2	606647-95-4	606647-97-6	606647-99-8
606648-01-5	606648-03-7	606648-05-9	606648-07-1	606648-09-3
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606648-97-9	606648-99-1	606649-01-8	606649-03-0	606649-05-2
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606649-27-8	606649-29-0	606649-31-4	606649-33-6	606649-35-8
606649-37-0	606649-39-2	606649-41-6	606649-43-8	606649-45-0
606649-47-2	606649-49-4	606649-51-8	606649-53-0	606649-55-2
606649-57-4	606649-59-6	606649-61-0	606649-63-2	606649-65-4
606649-67-6	606649-69-8	606649-71-2	606649-73-4	606649-75-6
606649-77-8	606649-79-0	606649-81-4	606649-83-6	606649-85-8
606649-87-0	606649-89-2	606649-91-6	606649-93-8	606649-95-0
606649-97-2	606649-99-4	606650-01-5	606650-03-7	606650-05-9
606650-07-1	606650-09-3			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein Discovery Initiative (SPDI) as large-scale effort to identify novel human secreted and transmembrane proteins)

IT	606650-11-7	606650-13-9	606650-15-1	606650-17-3	606650-19-5
	606650-21-9	606650-23-1	606650-25-3	606650-27-5	606650-29-7
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	606650-41-3	606650-43-5	606650-45-7	606650-47-9	606650-49-1
	606650-51-5	606650-53-7	606650-55-9	606650-57-1	606650-59-3
	606650-61-7	606651-65-4	606651-67-6	606651-69-8	606651-71-2
	606651-73-4	606651-75-6	606651-77-8	606651-79-0	606651-81-4
	606651-83-6	606651-85-8	606651-87-0	606651-89-2	606651-91-6
	606651-93-8	606651-95-0	606651-97-2	606651-99-4	606652-01-1
	606652-03-3	606652-05-5	606652-07-7	606652-09-9	606652-11-3
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	606652-43-1	606652-45-3	606652-47-5	606652-49-7	606652-51-1
	606652-53-3	606652-55-5	606652-57-7	606652-59-9	606652-61-3
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	606652-83-9	606652-85-1	606652-87-3	606652-89-5	606652-91-9
	606652-93-1	606652-95-3	606652-97-5	606652-99-7	606653-01-4
	606653-03-6	606653-05-8	606653-07-0	606653-09-2	606653-11-6
	606653-13-8	606653-15-0	606653-17-2	606653-19-4	606653-21-8
	606653-23-0	606653-25-2	606653-27-4	606653-29-6	606653-31-0
	606653-33-2	606653-35-4	606653-37-6	606653-39-8	606653-41-2
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	606653-93-4	606653-95-6	606653-97-8	606653-99-0	606654-01-7
	606654-03-9	606654-05-1	606654-07-3	606654-09-5	606654-11-9
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	606654-23-3	606654-25-5	606654-27-7	606654-29-9	606654-31-3

606654-33-5	606654-35-7	606654-37-9	606654-39-1	606654-41-5
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606654-93-7	606654-95-9	606654-97-1	606654-99-3	606655-01-0
606655-03-2	606655-05-4	606655-07-6	606655-09-8	606655-11-2
606655-13-4	606655-15-6	606655-17-8	606655-19-0	606655-21-4
606655-23-6	606655-25-8	606655-27-0	606655-29-2	606655-31-6
606655-33-8	606655-35-0	606655-37-2	606655-39-4	606655-41-8
606655-43-0	606655-45-2	606655-47-4	606655-49-6	606655-51-0
606655-53-2	606655-55-4	606655-57-6	606655-59-8	606655-61-2
606655-63-4	606655-65-6	606655-67-8	606655-69-0	606655-71-4
606655-73-6	606655-75-8	606655-77-0	606655-79-2	606655-81-6
606655-83-8	606655-85-0			

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein Discovery Initiative (SPDI) as large-scale effort to identify novel human secreted and transmembrane proteins)

IT	606655-87-2	606655-89-4	606655-91-8	606655-93-0	606655-95-2
	606655-97-4	606655-99-6	606656-01-3	606656-03-5	606656-05-7
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	606656-17-1	606656-19-3	606656-21-7	606656-23-9	606656-25-1
	606656-27-3	606656-29-5	606656-31-9	606656-33-1	606656-35-3
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	606659-57-8	606659-59-0	606659-61-4	606659-63-6	606659-65-8
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	606659-87-4	606659-89-6	606659-91-0	606659-93-2	606659-95-4
	606659-97-6	606659-99-8	606660-01-9	606660-03-1	606660-05-3
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	606660-17-7	606660-19-9	606660-21-3	606660-23-5	606660-25-7
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 606660-57-5 606660-59-7

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

IT 606660-61-1 606660-63-3 606660-65-5 606660-67-7 606660-69-9  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(nucleotide sequence; bioinformatics assessment of Secreted Protein  
 Discovery Initiative (SPDI) as large-scale effort to identify novel  
 human secreted and transmembrane proteins)

RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE

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IT 606649-80-3

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; bioinformatics assessment of Secreted Protein  
Discovery Initiative (SPDI) as large-scale effort to identify novel  
human secreted and transmembrane proteins)

RN 606649-80-3 HCAPLUS

CN SAMK3000 protein (human clone DNA108728 gene UNQ3000) (9CI) (CA INDEX  
NAME)

SEQ 1 MSAMKSVLPL LNPYCVLAFV YACMCVRAHV CVCVYMCMCV LCACVCTCRK  
51 KVMCGNGEFQ PRRRLCLGLP REVVTLRETG SKCTLPSSSL CDLGQVTSAP

L9 ANSWER 11 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:443545 HCAPLUS

DN 139:159700

ED Entered STN: 10 Jun 2003

TI Engineering Exosite Peptides for Complete Inhibition of Factor VIIa Using  
a Protease Switch with Substrate Phage

AU Maun, Henry R.; Eigenbrot, Charles; Lazarus, Robert A.

CS Department of Protein Engineering, Genentech, Inc., South San  
Francisco, CA, 94080, USA

SO Journal of Biological Chemistry (2003), 278(24), 21823-21830  
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

CC 1-8 (Pharmacology)

Section cross-reference(s): 3, 6

AB Limitations of current anticoagulant therapies have led us to develop two  
distinct classes of exosite peptide inhibitors for the initiator of the  
clotting process, the tissue factor-factor VIIa (TF·FVIIa) complex  
(Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and  
Lazarus, R. A. (2001) Biochem. 40, 9522-9531). Although both peptide  
classes are potent and selective inhibitors of TF·FVIIa, neither  
showed 100% inhibition at saturating concns. Crystal structures of these  
peptides in complex with the FVII/FVIIa protease domain revealed their  
distinct binding sites and close proximity to the active site. The  
favorable orientation of the 15-mer A-site peptide A-183 (EEWEVLCWTWETCER)  
suggested that a C-terminal extension into the FVIIa active site could  
yield a chimeric inhibitor that was not only potent and selective but  
complete as well. A novel two-step "protease switch" approach using  
substrate phage display was developed by first binding all phage containing  
A-183 and C-terminal extension libraries to immobilized and inactive  
FVIIa. Upon altering pH and adding TF to switch on FVIIa enzymic  
activity, only those phage released by proteolytic cleavage within the  
extension were propagated. This process selected for both preferred  
sequence and length in the extension, leading to a 27-mer peptide A-183X  
(EEWEVLCWTWETCEREGEGVEEELWEWR) with a C-terminal 12-mer extension containing an  
Arg in the P1 position. A-183X was a more potent and complete inhibitor  
of FX activation, having a maximal extent of inhibition of .apprx.99% with

an IC50 of 230 pM vs. A-183 which maximally inhibited to 74% with an IC50 of 1.5 nM. A-183X also had a maximal prolongation of the prothrombin time of 7.6- vs. 1.9-fold for A-183, making it a more effective anticoagulant.

ST peptide A183X factor VIIa inhibition anticoagulant

IT Enzyme functional sites  
(active; engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

IT Anticoagulants  
Protein engineering  
(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

IT Peptides, biological studies  
RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

IT 65312-43-8, Factor VIIa  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

IT 575431-91-3P, A 183X  
RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD

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 IT 575431-91-3P, A 183X  
 RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(engineering exosite peptides for complete inhibition of factor VIIa  
 using a protease switch with substrate phage)

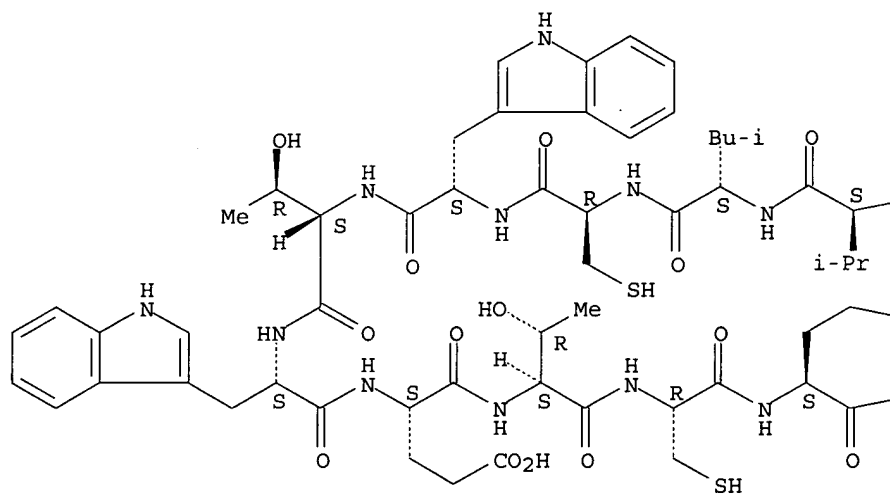
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 L- $\alpha$ -glutamyl-L-threonyl-L-cysteinyl-L- $\alpha$ -glutamyl-L-  
 arginylglycyl-L- $\alpha$ -glutamylglycyl-L-valyl-L- $\alpha$ -glutamyl-L-  
 $\alpha$ -glutamyl-L- $\alpha$ -glutamyl-L-leucyl-L-tryptophyl-L- $\alpha$ -  
 glutamyl-L-tryptophyl- (9CI) (CA INDEX NAME)

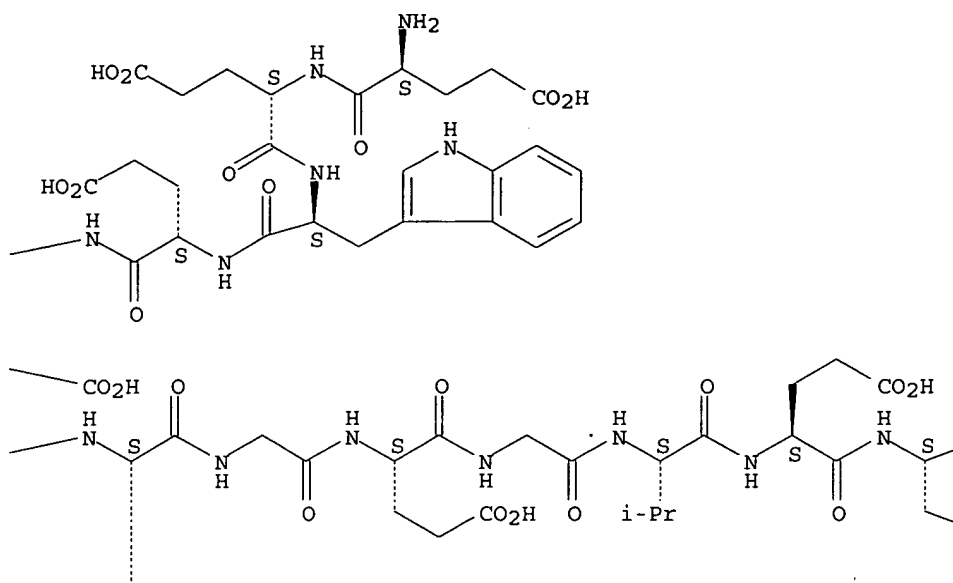
SEQ 1 EEWEVLCWTW ETCEREGGVE EELWEWR

Absolute stereochemistry.

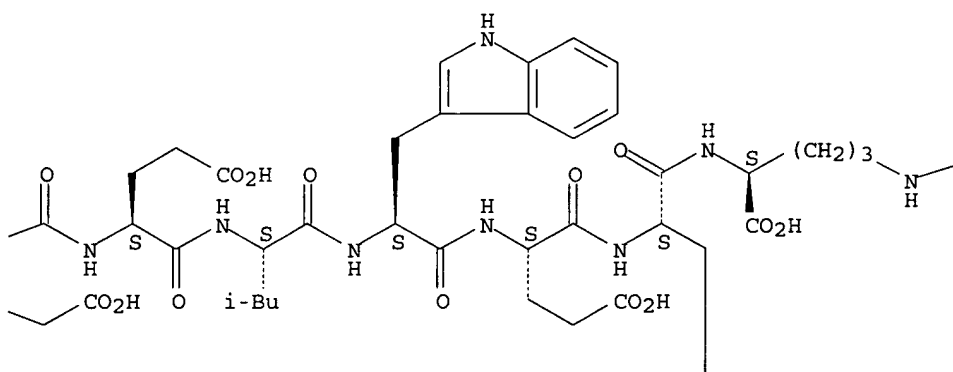
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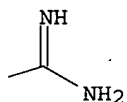
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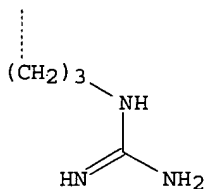
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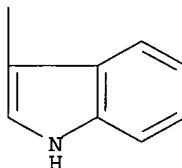
PAGE 1-D



PAGE 2-B



PAGE 2-C



L9 ANSWER 12 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:242121 HCAPLUS  
 DN 138:266934  
 ED Entered STN: 28 Mar 2003  
 TI Nucleic acid and polypeptide compositions and methods for the diagnosis  
 and treatment of tumor  
 IN Frantz, Gretchen; Hillan, Kenneth J.; Phillips, Heidi S.; Polakis, Paul;  
 Spencer, Susan D.; Williams, P. Mickey; Wu, Thomas D.; Zhang, Zemin  
 PA **Genentech, Inc., USA**  
 SO PCT Int. Appl., 285 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 9, 14, 63  
 FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024392	A2	20030327	WO 2002-US28859	20020911
	WO 2003024392	A3	20041021		

Search done by Noble Jarrell

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2460120 AA 20030327 CA 2002-2460120 20020911  
 US 2003148408 A1 20030807 US 2002-241220 20020911  
 EP 1487877 A2 20041222 EP 2002-766272 20020911

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

US 2004229277 A1 20041118 US 2004-872972 20040621  
 US 2004242860 A1 20041202 US 2004-872991 20040621  
 US 2005064492 A1 20050324 US 2004-948518 20040922  
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PRAI US 2001-323268P P 20010918  
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 US 2003-484959P P 20030702  
 US 2003-643795 A1 20030819

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003024392	ICM	A61K
WO 2003024392	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/30
US 2003148408	NCL	435/007.230
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/18; C07K016/30; G01N033/574
US 2004229277	NCL	435/006.000
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/18; C07K016/30; G01N033/574
US 2004242860	NCL	536/023.200
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/18; C07K016/30; G01N033/574
US 2005064492	NCL	435/006.000
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/30
US 2005042216	NCL	424/141.100
	ECLA	A61K047/48T2C8H; A61K047/48T4B18; A61K047/48T4B30; C07K016/18; C07K016/30

AB Various cellular polypeptides and their encoding nucleic acids are identified which are expressed to a greater degree on the cell surface by one or more types of cancer cell(s) as compared to on the surface of or by one or more types of normal non-cancer cells. Alternatively, such polypeptides are expressed by cells which produce and/or secrete polypeptides having a potentiating or growth-enhancing effect on cancer cells. Again alternatively, such polypeptides may not be overexpressed by tumor cells as compared to normal cells of the same tissue type, but

rather may be specifically expressed by both tumor cells and normal cells of only a single or very limited number of tissue types. All of the above polypeptides are referred to as Tumor-associated Antigenic Target polypeptides ("TAT" polypeptides) and are expected to serve as effective targets for cancer therapy and diagnosis in mammals. Thus, a proprietary database containing gene expression information (GeneExpress, Gene Logic Inc.) was analyzed to identify 60 polypeptides (and their encoding nucleic acids) whose expression is significantly up-regulated in a particular tumor tissue(s) of interest as compared to other tumor(s) and/or normal tissues. Verification and anal. of differential TAT polypeptide expression is achieved by microarray anal. and GEPIS (gene expression profiling in silico).

- ST gene expression tumor diagnosis therapy human; sequence tumor assocd protein cDNA human
- IT Animal cell line  
(293, recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Animal cell line  
(CHO, recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Animal cell line  
(COS, recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Animal cell line  
(SF9, recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Kidney, neoplasm  
(Wilms'; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Intestine, neoplasm  
(colon; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Intestine, neoplasm  
(colorectal; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibiotics  
Antitumor agents  
Cytotoxic agents  
(conjugates with antibodies; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Radionuclides, biological studies  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(conjugates with antibodies; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(conjugates; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Uterus, neoplasm  
(endometrium; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(fragments; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(humanized; nucleic acid and polypeptide compns. and methods for the

- diagnosis and treatment of tumor)
- IT Drug delivery systems  
(immunotoxins; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(labeled; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Animal cell  
(mammalian, recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Leukemia  
(myelogenous; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Bone, neoplasm
- Brain, neoplasm
- Esophagus, neoplasm
- Gallbladder, neoplasm
- Gene expression profiles, animal
- Human
- Kidney, neoplasm
- Liver, neoplasm
- Lung, neoplasm
- Lymphoma
- Molecular cloning
- Myoma
- Neoplasm
- Neuroglia, neoplasm
- Pancreas, neoplasm
- Prostate gland, neoplasm
- Skin, neoplasm
- Spleen, neoplasm
- Stomach, neoplasm
- Thyroid gland, neoplasm
- Tumor markers
- Urinary tract, neoplasm
- Uterus, neoplasm  
(nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Antibodies and Immunoglobulins  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Carcinoma  
(pulmonary squamous cell; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Escherichia coli
- Eubacteria
- Yeast  
(recombinant expression host; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Animal tissue, disease  
(soft, neoplasm; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Neoplasm  
(soft-tissue; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Lung, neoplasm  
(squamous cell carcinoma; nucleic acid and polypeptide compns. and methods for the diagnosis and treatment of tumor)
- IT Proteins  
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP

(Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(tumor-associated; nucleic acid and polypeptide compns. and methods for  
the diagnosis and treatment of tumor)

IT 503571-54-8 503571-55-9 503571-56-0 503571-57-1 503571-58-2  
503571-59-3 503571-60-6 503571-61-7 503571-62-8 503571-63-9  
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(Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid and polypeptide compns. and methods  
for the diagnosis and treatment of tumor)

IT 9026-81-7P, Nuclease  
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); DGN  
(Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); PREP (Preparation); USES (Uses)  
(conjugates with antibodies; nucleic acid and polypeptide compns. and  
methods for the diagnosis and treatment of tumor)

IT 35846-53-8DP, Maytansine, compds., conjugates with antibodies  
113440-58-7DP, Calicheamicin, conjugates with antibodies  
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(Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL  
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(nucleic acid and polypeptide compns. and methods for the diagnosis and  
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(nucleotide sequence; nucleic acid and polypeptide compns. and methods  
for the diagnosis and treatment of tumor)

IT 503571-76-4  
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(Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid and polypeptide compns. and methods  
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RN 503571-76-4 HCAPLUS  
CN Tumor-associated protein TAT203 (human clone DNA226283 precursor) (9CI)  
(CA INDEX NAME)

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51 SEETKSTETE TGSRVGKLPE ASRILNLTLS NYDHKLRLPGI GEKPTVVTVTE  
101 IAVNSLGPLS ILDMETIDI IFSQTWYDER LCYNDTFESL VLNGNVVSQ  
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351 CFCALLEFAV LNFLIYNQTK AHASPKLRHP RINSRAHART RARSACARQ

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L9 ANSWER 13 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:90102 HCAPLUS  
 DN 136:146183  
 ED Entered STN: 01 Feb 2002  
 TI Nucleic acid and protein compositions and methods for the diagnosis and  
 treatment of disorders involving angiogenesis  
 IN Baker, Kevin P.; Ferrara, Napoleone; Gerber, Hanspeter; Gerritsen, Mary  
 E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Hillan, Kenneth  
 J.; Marsters, Scot A.; Pan, James; Paoni, Nicholas F.; Stephan,  
 Jean-Philippe F.; Watanabe, Colin K.; Williams, P. Mickey; Wood, William  
 I.; Ye, Weilan  
 PA **Genentech, Inc., USA**  
 SO PCT Int. Appl., 567 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC C07K014-475  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 9, 13, 63

FAN.CNT 123

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JP 2004520811	FTERM	2G045/AA34; 2G045/AA35; 2G045/BB05; 2G045/BB10; 2G045/BB14; 2G045/BB20; 2G045/BB29; 2G045/BB46; 2G045/BB50; 2G045/BB51; 2G045/CB01; 2G045/DA13; 2G045/FA29; 2G045/FB02; 2G045/FB03; 2G045/FB06; 2G045/FB12; 2G045/GC10; 2G045/GC15; 4B024/AA01; 4B024/AA11; 4B024/BA26; 4B024/CA02; 4B024/CA04; 4B024/DA02; 4B024/DA06; 4B024/DA12; 4B024/HA17; 4B063/QA18; 4B063/QA19; 4B063/QQ43; 4B063/QR55; 4B063/QR77; 4B063/QR80; 4B063/QS34; 4B064/AG03; 4B064/AG27; 4B064/CA02; 4B064/CA06; 4B064/CA10; 4B064/CA19; 4B064/CC24; 4B064/DA01; 4B064/DA13; 4B065/AA26; 4B065/AA72; 4B065/AA90; 4B065/AB01; 4B065/BA02; 4B065/CA24; 4B065/CA44; 4B065/CA46; 4C084/AA17; 4C084/DC50; 4C084/NA14; 4C084/ZA661; 4C085/AA14; 4C085/BB11; 4C085/CC02; 4C085/CC21; 4C086/AA01; 4C086/AA02; 4C086/EA16; 4C086/MA03; 4C086/MA05; 4C086/NA14; 4C086/ZA66; 4H045/AA10; 4H045/AA11; 4H045/AA20; 4H045/AA30; 4H045/BA10; 4H045/BA41; 4H045/CA40; 4H045/DA02; 4H045/DA76; 4H045/EA27; 4H045/FA74
US 2002192659	NCL	435/006.000
US 2003044839	NCL	435/007.100
US 2003054400	NCL	435/007.100
US 2003003530	NCL	435/069.100
US 2003017463	NCL	435/006.000
US 2003044793	NCL	435/006.000
US 2003054401	NCL	435/007.100
US 2003054349	NCL	435/006.000
US 2002160374	NCL	435/006.000
US 2003036060	NCL	435/006.000
US 2003039969	NCL	435/006.000
US 2003054441	NCL	435/069.100
US 2003036094	NCL	435/007.100
US 2003054351	NCL	435/006.000
US 2003059828	NCL	435/007.100
US 2003059829	NCL	435/007.100
US 2003064367	NCL	435/006.000
US 2003064923	NCL	514/012.000
US 2003023054	NCL	536/023.100

US 2003027143	NCL	435/006.000
US 2003039971	NCL	435/006.000
US 2003039972	NCL	435/006.000
US 2002197671	NCL	435/069.100
US 2002198366	NCL	536/023.100
US 2003017498	NCL	435/007.100
US 2003027145	NCL	435/006.000
US 2003027146	NCL	435/006.000
US 2003054352	NCL	435/006.000
US 2002132240	NCL	435/006.000
US 2002146709	NCL	435/006.000
US 2003036061	NCL	435/006.000
US 2003059772	NCL	435/006.000
US 2002161199	NCL	530/388.800
	ECLA	C07K014/705
JP 2004520810	FTERM	4B024/AA01; 4B024/AA12; 4B024/BA54; 4B024/BA61; 4B024/DA02; 4B024/DA06; 4B024/EA02; 4B024/EA04; 4B024/GA03; 4B024/GA11; 4B024/HA01; 4B024/HA15; 4C076/AA95; 4C076/CC27; 4C076/EE59; 4C076/FF68; 4C084/AA02; 4C084/AA07; 4C084/AA13; 4C084/AA17; 4C084/BA03; 4C084/MA01; 4C084/NA14; 4C084/ZB262; 4C085/AA13; 4C085/AA14; 4C085/AA16; 4C085/BB41; 4C085/CC32; 4C085/DD21; 4C085/EE01; 4C085/GG01; 4C086/AA01; 4C086/AA02; 4C086/AA03; 4C086/AA04; 4C086/CB22; 4C086/EA16; 4C086/MA01; 4C086/MA04; 4C086/NA14; 4C086/ZB26; 4H045/AA11; 4H045/AA30; 4H045/BA10; 4H045/CA41; 4H045/DA76; 4H045/EA28; 4H045/EA51; 4H045/FA74
US 2003203446	NCL	435/069.100
	ECLA	C07K014/705
US 2003104536	NCL	435/069.100
US 2003180867	NCL	435/069.100
	ECLA	C07K014/705
US 2003186365	NCL	435/069.100
	ECLA	C07K014/47; C07K014/47A1A; C07K014/705
US 2003186368	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003190701	NCL	435/069.100
	ECLA	C07K014/47; C07K014/47A1A; C07K014/705; C07K014/705R
US 2003190703	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003190321	NCL	424/185.100
	ECLA	C07K014/705
US 2003194780	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003194781	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003207803	NCL	514/012.000
	ECLA	C07K014/47; C07K014/705
US 2003170254	NCL	424/185.100
	ECLA	C07K014/705
US 2003187241	NCL	536/023.200
	ECLA	C07K014/47; C07K014/47A1A; C07K014/705
US 2003199021	NCL	435/069.100
	ECLA	C07K014/705
US 2003119055	NCL	435/007.100
US 2003119001	NCL	435/006.000
US 2003124531	NCL	435/006.000
US 2003134284	NCL	435/006.000
US 2003224358	NCL	435/006.000
US 2003194760	NCL	435/069.100
US 2003130182	NCL	514/012.000
US 2003139329	NCL	514/012.000
US 2003180836	NCL	435/069.100
US 2003083462	NCL	530/350.000
US 2003186318	NCL	435/007.100

US 2003187192	NCL	530/350.000
US 2003044897	NCL	435/069.100
	ECLA	C07K014/47A1A; C07K014/705R
US 2003119097	NCL	435/069.100
US 2003134327	NCL	435/007.100
	ECLA	C07K014/47; C07K016/18; C07K014/47A1A; C07K014/52; C07K014/54; C07K014/545; C07K014/705R
US 2002192752	NCL	435/069.100
US 2003170721	NCL	435/007.100
US 2003180796	NCL	435/007.100
JP 2005500030	FTERM	2G045/AA40; 2G045/BB03; 2G045/BB20; 2G045/CB01; 2G045/CB17; 2G045/CB21; 2G045/DA12; 2G045/DA13; 2G045/DA14; 2G045/DA36; 2G045/DA37; 2G045/FB02; 2G045/FB03; 4B024/AA01; 4B024/AA11; 4B024/BA44; 4B024/BA80; 4B024/CA01; 4B024/CA07; 4B024/DA02; 4B024/DA05; 4B024/DA12; 4B024/GA11; 4B024/HA11; 4B024/HA17; 4B063/QA05; 4B063/QA18; 4B063/QQ79; 4B063/QQ91; 4B063/QR77; 4B063/QR84; 4B063/QS15; 4B063/QX01; 4B064/AG01; 4B064/CA02; 4B064/CA06; 4B064/CA10; 4B064/CC24; 4B064/DA01; 4B065/AA01X; 4B065/AA72X; 4B065/AA91X; 4B065/AA93Y; 4B065/AB01; 4B065/AC14; 4B065/AC20; 4B065/BA02; 4B065/CA24; 4B065/CA25; 4B065/CA44; 4B065/CA46; 4C084/AA02; 4C084/BA01; 4C084/BA02; 4C084/BA08; 4C084/BA19; 4C084/BA20; 4C084/BA22; 4C084/NA14; 4C084/ZA69; 4C084/ZA70; 4C084/ZC21; 4C084/ZC33; 4C084/ZC54; 4H045/AA10; 4H045/AA11; 4H045/BA10; 4H045/CA40; 4H045/DA76; 4H045/EA20; 4H045/EA50; 4H045/FA74
US 2003190717	NCL	435/183.000
US 2003190721	NCL	435/183.000
US 2003194791	NCL	435/183.000
US 2003190718	NCL	435/183.000
US 2003190719	NCL	435/183.000
US 2003190720	NCL	435/183.000
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US 2003199060	NCL	435/183.000
US 2003190726	NCL	435/183.000
US 2003199061	NCL	435/183.000
US 2003203462	NCL	435/183.000
US 2003190727	NCL	435/183.000
US 2003190728	NCL	435/183.000
US 2003190729	NCL	435/183.000
US 2003190730	NCL	435/183.000
US 2003194794	NCL	435/183.000
US 2003199023	NCL	435/069.100
US 2003199062	NCL	435/183.000
US 2003190731	NCL	435/183.000
US 2003199063	NCL	435/183.000
US 2003199064	NCL	435/183.000
US 2003207349	NCL	435/069.100
US 2003180923	NCL	435/183.000
US 2003207414	NCL	435/183.000

US 2003207415	NCL	435/183.000
US 2003207416	NCL	435/183.000
US 2003207417	NCL	435/183.000
US 2003207418	NCL	435/183.000
US 2003207419	NCL	435/183.000
US 2003207420	NCL	435/183.000
US 2003207421	NCL	435/183.000
US 2003207422	NCL	435/183.000
US 2003207359	NCL	435/069.100
US 2003207423	NCL	435/183.000
US 2003207424	NCL	435/183.000
US 2003207425	NCL	435/183.000
US 2003207426	NCL	435/183.000
US 2003148438	NCL	435/069.100
	ECLA	C07K014/47
US 2003170788	NCL	435/069.100
	ECLA	C07K014/47
US 2003166084	NCL	435/069.100
	ECLA	C07K014/47
US 2003207427	NCL	435/183.000
US 2003207428	NCL	435/183.000
US 2003134380	NCL	435/069.100
	ECLA	C07K014/47
US 2004214269	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003180875	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2004253666	NCL	435/069.100
	ECLA	C07K014/47; C07K014/705
US 2003199027	NCL	435/069.100
	ECLA	C07K014/47
US 2003129695	NCL	435/069.100
US 2003207805	NCL	514/012.000
US 2003208055	NCL	536/023.100
US 2003207429	NCL	435/183.000
US 2005074837	NCL	435/069.100
	ECLA	C07K014/47
US 2003073169	NCL	435/069.100
US 2003082767	NCL	435/183.000
US 2003104538	NCL	435/069.100
US 2003073170	NCL	435/069.100
US 2003073171	NCL	435/069.100
US 2003073172	NCL	435/069.100
US 2003077732	NCL	435/069.100
US 2003082715	NCL	435/069.100
US 2003044916	NCL	435/069.100
US 2003044917	NCL	435/069.100
US 2003044918	NCL	435/069.100
US 2003068680	NCL	435/069.100
US 2003087373	NCL	435/069.100
US 2003044919	NCL	435/069.100
US 2003068681	NCL	435/069.100
US 2003073173	NCL	435/069.100
US 2003044920	NCL	435/069.100
US 2003044921	NCL	435/069.100
US 2003044922	NCL	435/069.100
US 2003044923	NCL	435/069.100
US 2003096353	NCL	435/069.100
US 2003104539	NCL	435/069.100
US 2003104540	NCL	435/069.100
US 2003044924	NCL	435/069.100
US 2003044925	NCL	435/069.100
US 2003064440	NCL	435/069.100
US 2003077733	NCL	435/069.100
US 2003044926	NCL	435/069.100
US 2003054454	NCL	435/069.100

US 2003064441	NCL	435/069.100
US 2003082716	NCL	435/069.100
US 2003082717	NCL	435/069.100
US 2003104541	NCL	435/069.100
US 2003124661	NCL	435/069.100
US 2003044927	NCL	435/069.100
US 2003054456	NCL	435/069.100
US 2003068683	NCL	435/069.100
US 2003073174	NCL	435/069.100
US 2003119105	NCL	435/069.100
US 2003157635	NCL	435/069.100
US 2003044928	NCL	435/069.100
US 2003044929	NCL	435/069.100
US 2003044930	NCL	435/069.100
US 2003044931	NCL	435/069.100
US 2003104542	NCL	435/069.100
US 2003104543	NCL	435/069.100
US 2003054458	NCL	435/069.100
US 2003119106	NCL	435/069.100
US 2003044932	NCL	435/069.100
US 2003068695	NCL	435/069.100
US 2003068696	NCL	435/069.100
US 2003049743	NCL	435/069.100
US 2003049745	NCL	435/069.100
US 2003064446	NCL	435/069.100
US 2003153037	NCL	435/069.100
US 2003059879	NCL	435/069.100
US 2003064448	NCL	435/069.100
US 2003049747	NCL	435/069.100
US 2003064449	NCL	435/069.100
US 2003063112	NCL	715/700.000
US 2003068705	NCL	435/069.100
US 2003068706	NCL	435/069.100
US 2003071834	NCL	715/700.000
US 2003049749	NCL	435/069.100
US 2003065159	NCL	536/023.100
US 2003068710	NCL	435/069.100
US 2003104547	NCL	435/069.100
US 2003104548	NCL	435/069.100
US 2003207398	NCL	435/069.100
US 2003215910	NCL	435/069.100
US 2003180881	NCL	435/069.100
US 2003064462	NCL	435/069.100
US 2003064463	NCL	435/069.100
US 2003068756	NCL	435/069.100
US 2003068759	NCL	435/069.100
US 2003068760	NCL	435/069.100
US 2003073183	NCL	435/069.100
US 2003096359	NCL	435/069.100
US 2004048334	NCL	435/069.100
US 2003068765	NCL	435/069.100
US 2003068766	NCL	435/069.100
US 2003068769	NCL	435/069.100
US 2003068773	NCL	435/069.100
US 2003068774	NCL	435/069.100
US 2003073184	NCL	435/069.100
US 2003073185	NCL	435/069.100
US 2003215912	NCL	435/069.100
US 2004048335	NCL	435/069.100
US 2003082199	NCL	424/185.100
US 2004242843	NCL	530/350.000
US 2004044179	NCL	530/350.000
US 2003100497	NCL	514/012.000
US 2003105011	NCL	514/012.000
US 2003105012	NCL	514/012.000
US 2003105013	NCL	514/012.000

US	2003109438	NCL	514/012.000
US	2003119112	NCL	435/069.100
US	2003125521	NCL	530/350.000
US	2003186866	NCL	514/012.000
US	2003191059	NCL	514/012.000
US	2003104558	NCL	435/069.100
US	2004006206	NCL	530/350.000
US	2003138898	NCL	435/069.100
US	2003113852	NCL	435/069.100
US	2003108544	NCL	424/141.100
		ECLA	C07K014/47
US	2003120056	NCL	536/023.500
		ECLA	A61K047/48R2F; C07K014/515
US	2003144498	NCL	536/023.500
		ECLA	A61K047/48R2F; C07K014/515
US	2004249141	NCL	536/023.500
		ECLA	A61K047/48R2F; C07K014/515
US	2003224984	NCL	514/012.000
		ECLA	C07K014/515; C07K016/22
US	2003199044	NCL	435/069.520
US	2004229307	NCL	435/069.100
US	2004258710	NCL	424/190.100
		ECLA	C07K014/52A
US	2005019823	NCL	435/006.000
		ECLA	C07K014/47
US	2005153396	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
		ECLA	C07K014/47
US	2005153348	NCL	435/006.000; 435/007.230
		ECLA	C07K014/47
US	2005176041	NCL	435/006.000
US	2005164266	NCL	435/006.000; 435/007.100; 435/287.200
US	2005170396	NCL	435/006.000; 435/007.200
US	2005176046	NCL	435/006.000; 435/007.230
US	2005170458	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
US	2005176104	NCL	435/069.300; 530/350.000; 435/320.100; 435/325.000; 530/388.800; 536/023.500
US	2005136515	NCL	435/069.100
		ECLA	C07K014/47
US	2005136475	NCL	435/006.000
		ECLA	C07K014/47; C07K014/705
US	2005158830	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
AB	Nucleic acid and protein compns. and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Thus, 187 cDNAs and their encoded protein sequences isolated from human cDNA libraries are identified by extracellular domain homol. screening, amylase screening, and signal algorithm anal. The pharmaceutical compns. are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compns. herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention, and to methods for producing the polypeptides of the present invention.		
ST	protein cDNA sequence human angiogenesis cardiovascularization; diagnosis angiogenesis cardiovascularization protein cDNA human; therapy angiogenesis cardiovascularization protein cDNA human		
IT	Animal cell line (CHO, recombinant expression host; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)		

- IT Apoptosis  
(Induction in endothelial cell; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Artery  
Surgery  
(angioplasty, treatment following; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Diagnosis  
(cancer; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Hypertrophy  
Neoplasm  
(cardiac; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Epitopes  
(chimeric proteins containing; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Blood vessel  
(endothelium, diseases; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Blood vessel  
(endothelium, inhibition of proliferation of; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(fragments, chimeric proteins containing Fc region; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(humanized; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Heart, disease  
(hypertrophy; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Heart, disease  
(infarction; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Cell proliferation  
(inhibition or stimulation of; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Eye, disease  
(macula, degeneration; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(monoclonal; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Heart, disease  
(neoplasm; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Angiogenesis  
Angiogenesis inhibitors  
Antitumor agents  
Cardiovascular agents  
Cardiovascular system, disease  
Gene therapy  
Human

Mammalia  
Molecular cloning  
Protein sequences  
cDNA sequences  
(nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Proteins  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Fusion proteins (chimeric proteins)  
RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Escherichia coli  
Yeast  
(recombinant expression host; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Proteins  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(secretory; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Antibodies and Immunoglobulins  
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(single chain; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Muscle  
(smooth, inhibition or stimulation of; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Proteins  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(transmembrane; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Heart, disease  
(trauma; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Endothelium  
(vascular, diseases; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Endothelium  
(vascular, inhibition of proliferation of; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT 393196-70-8P 393196-72-0P 393196-74-2P 393196-76-4P 393196-78-6P  
393196-80-0P 393196-82-2P 393196-84-4P 393196-86-6P 393196-88-8P  
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RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; nucleic acid and protein comps. and methods for  
 the diagnosis and treatment of disorders involving angiogenesis)

IT 551-11-1, Prostaglandin F2 $\alpha$

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)  
 (diseases associated with elevated levels of; nucleic acid and protein  
 comps. and methods for the diagnosis and treatment of disorders  
 involving angiogenesis)

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RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; nucleic acid and protein compns. and methods for  
 the diagnosis and treatment of disorders involving angiogenesis)

IT 393884-34-9 393884-35-0 393884-36-1 393884-37-2 393884-38-3  
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RL: PRP (Properties)

(unclaimed sequence; nucleic acid and protein compns. and methods for  
 the diagnosis and treatment of disorders involving angiogenesis)

IT 393197-34-7P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; nucleic acid and protein compns. and methods for  
 the diagnosis and treatment of disorders involving angiogenesis)

RN 393197-34-7 HCAPLUS

CN Protein PRO730 (human clone DNA45624-1400) (9CI) (CA INDEX NAME)

SEQ 1 MGQCIGITSSK TVLVFLNLIF WGAAGILCYV GAYVFITYDD YDHFFEDVYT  
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 151 HNYSDWENTD WFKETKNQSV PLSCCRETAS NCNGSLAHPD DLYAEGCEAL  
 201 VWKKLQEIIM HVIWAALAF AAIQLLGMLCA CIVLCRRSRD PAYELLITGG  
 251 TYA

L9 ANSWER 14 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:10508 HCAPLUS

DN 136:65268

ED Entered STN: 04 Jan 2002

TI Human nucleic acid and encoded protein compositions and methods for the  
 diagnosis and treatment of disorders involving angiogenesis

IN Baker, Kevin P.; Ferrara, Napoleone; Gerber, Hanspeter; Gerritsen, Mary  
 E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Hillan, Kenneth  
 J.; Marsters, Scot A.; Pan, James; Paoni, Nicholas F.; Stephan,  
 Jean-philippe F.; Watanabe, Colin K.; Williams, P. Mickey; Wood, William  
 I.; Ye, Weilan

PA Genentech, Inc., USA

SO PCT Int. Appl., 565 pp.

CODEN: PIXXD2

DT Patent

LA English

IC C07K014-00

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 13, 63

FAN.CNT 123

PATENT NO. KIND DATE APPLICATION NO. DATE

Search done by Noble Jarrell

PI	WO 2002000690	A2	20020103	WO 2001-US19692	20010620
	WO 2002000690	A3	20030313		
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US 2002161199	A1	20021031	US 2001-938418	20010823
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US 2004249141	NCL	536/023.500
	ECLA	A61K047/48R2F; C07K014/515
US 2003224984	NCL	514/012.000
	ECLA	C07K014/515; C07K016/22
US 2003199044	NCL	435/069.520
US 2004229307	NCL	435/069.100
US 2004258710	NCL	424/190.100
	ECLA	C07K014/52A
US 2005019823	NCL	435/006.000
	ECLA	C07K014/47
US 2005153396	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
	ECLA	C07K014/47
US 2005153348	NCL	435/006.000; 435/007.230
	ECLA	C07K014/47
US 2005176041	NCL	435/006.000
US 2005164266	NCL	435/006.000; 435/007.100; 435/287.200
US 2005170396	NCL	435/006.000; 435/007.200
US 2005176046	NCL	435/006.000; 435/007.230
US 2005170458	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
US 2005176104	NCL	435/069.300; 530/350.000; 435/320.100; 435/325.000; 530/388.800; 536/023.500
US 2005136515	NCL	435/069.100
	ECLA	C07K014/47
US 2005136475	NCL	435/006.000
	ECLA	C07K014/47; C07K014/705
US 2005158830	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200

AB Compns. and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Thus, 187 cDNA clones encoding secreted and/or transmembrane proteins were isolated from various human cDNA libraries using extracellular domain homol. screening, amylase screening, and signal algorithm anal. The proteins exhibit useful biol. activities in various assays: stimulation of endothelial cell proliferation, inducing cardiac hypertrophy, inducing endothelial cell apoptosis, stimulating smooth muscle cell growth, inducing angiogenesis by stimulating endothelial cell tube formation in HUVEC cells, and induction of c-fos in HUVEC cells. Pharmaceutical compns. are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compns. herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy. In addition, the present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

ST secretory transmembrane protein cDNA sequence human; angiogenesis diagnosis treatment human protein cDNA; endothelial cell proliferation human protein cDNA

IT Animal cell line  
(CHO, recombinant expression host; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Animal cell line

- (HUVEC, stimulating proliferation of; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Artery  
Surgery  
(angioplasty, treatment following; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Gene, animal  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(c-fos, induction of; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Hypertrophy  
(cardiac; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Cell proliferation  
(endothelial; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Blood vessel  
(endothelium, proliferation disorders; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Protein motifs  
(extracellular domain; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(fragments; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Angiogenesis  
Cardiovascular agents  
Cardiovascular system, disease  
Drug screening  
Gene therapy  
Human  
Mammalia  
Molecular cloning  
Neoplasm  
Protein sequences  
cDNA sequences  
(human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Antibodies and Immunoglobulins  
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(humanized; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Heart, disease  
(hypertrophy; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Heart, disease  
(infarction; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)
- IT Eye, disease  
(macula, degeneration; human nucleic acid and encoded protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

angiogenesis)

IT Antibodies and Immunoglobulins  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (monoclonal; human nucleic acid and encoded protein compns. and methods  
 for the diagnosis and treatment of disorders involving angiogenesis)

IT Escherichia coli  
 Yeast  
 (recombinant expression host; human nucleic acid and encoded protein  
 compns. and methods for the diagnosis and treatment of disorders  
 involving angiogenesis)

IT Proteins  
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (secretory; human nucleic acid and encoded protein compns. and methods  
 for the diagnosis and treatment of disorders involving angiogenesis)

IT Antibodies and Immunoglobulins  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (single chain; human nucleic acid and encoded protein compns. and  
 methods for the diagnosis and treatment of disorders involving  
 angiogenesis)

IT Muscle  
 (smooth, stimulation of cell growth in; human nucleic acid and encoded  
 protein compns. and methods for the diagnosis and treatment of  
 disorders involving angiogenesis)

IT Apoptosis  
 (stimulation of endothelial cell; human nucleic acid and encoded  
 protein compns. and methods for the diagnosis and treatment of  
 disorders involving angiogenesis)

IT Proteins  
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (transmembrane; human nucleic acid and encoded protein compns. and  
 methods for the diagnosis and treatment of disorders involving  
 angiogenesis)

IT Injury  
 (trauma; human nucleic acid and encoded protein compns. and methods for  
 the diagnosis and treatment of disorders involving angiogenesis)

IT Chemotherapy  
 Cytotoxic agents  
 (treatment in combination with; human nucleic acid and encoded protein  
 compns. and methods for the diagnosis and treatment of disorders  
 involving angiogenesis)

IT Endothelium  
 (vascular, proliferation disorders; human nucleic acid and encoded  
 protein compns. and methods for the diagnosis and treatment of  
 disorders involving angiogenesis)

IT 384381-49-1P 384381-51-5P 384381-53-7P 384381-55-9P 384381-57-1P  
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384385-19-7P	384385-21-1P			

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (amino acid sequence; human nucleic acid and encoded protein compns.  
 and methods for the diagnosis and treatment of disorders involving  
 angiogenesis)

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RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
(Biological study); PREP (Preparation); USES (Uses)  
(nucleotide sequence; human nucleic acid and encoded protein compns.  
and methods for the diagnosis and treatment of disorders involving  
angiogenesis)

IT 384386-68-9 384386-69-0 384386-70-3 384386-71-4 384386-72-5  
384386-73-6 384386-74-7 384386-75-8 384386-76-9

RL: PRP (Properties)  
(unclaimed sequence; human nucleic acid and encoded protein compns. and  
methods for the diagnosis and treatment of disorders involving  
angiogenesis)

IT 384382-13-2P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL  
(Biological study); PREP (Preparation); USES (Uses)  
(amino acid sequence; human nucleic acid and encoded protein compns.  
and methods for the diagnosis and treatment of disorders involving  
angiogenesis)

RN 384382-13-2 HCAPLUS

CN Protein PRO730 (human clone DNA45624-1400) (9CI) (CA INDEX NAME)

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151 HNYSDWENTD WFKETKNQSV PLSCCRETAS NCNGSLAHPD DLYAEGCEAL  
201 VVKKLQEIMM HVIWAALAF AIIQLLMLCA CIVLCRRSRD PAYELLITGG  
251 TYA

L9 ANSWER 15 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:693506 HCAPLUS

DN 135:268240

ED Entered STN: 21 Sep 2001

TI Secreted and transmembrane polypeptides and human nucleic acids encoding  
them that are overexpressed in cancerous tissues

IN Baker, Kevin P.; Chen, Jian; Desnoyers, Luc; Goddard, Audrey; Godowski,  
Paul J.; Gurney, Austin L.; Pan, James; Smith, Victoria; Watanabe, Colin  
K.; Wood, William I.; Zhang, Zemin

PA Genentech, Inc., USA

SO PCT Int. Appl., 774 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-12

ICS C12N015-62; C07K014-47; C07K014-705; C07K016-18; G01N033-53;  
C12Q001-68

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 13, 14

FAN.CNT 123

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001068848	A2	20010920	WO 2001-US6520	20010228
WO 2001068848	A3	20020829		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,			

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 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

NZ 528704 A 20050225 NZ 1999-528704 19990308  
 EP 1466977 A1 20041013 EP 2004-7618 19991202  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, FI, CY

NZ 523206 A 20041224 NZ 2000-523206 20000211  
 NZ 523207 A 20041224 NZ 2000-523207 20000211  
 WO 2000056889 A2 20000928 WO 2000-US5601 20000301  
 WO 2000056889 A3 20010426

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WO 2000053758 A2 20000914 WO 2000-US5841 20000302  
 WO 2000053758 A3 20010208

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NZ 517395 A 20040130 NZ 2000-517395 20000309  
 WO 2001005972 A1 20010125 WO 2000-US6884 20000315

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WO 2000073454 A1 20001207 WO 2000-US8439 20000330

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 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
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 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2380355 AA 20010308 CA 2000-2380355 20000824  
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US 2003148439	NCL	435/069.100
US 2003157630	NCL	435/069.100
US 2003199026	NCL	435/069.100
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	ECLA	A61K047/48R2F; C07K014/515
US 2004249141	NCL	536/023.500
	ECLA	A61K047/48R2F; C07K014/515
US 2003224984	NCL	514/012.000
	ECLA	C07K014/515; C07K016/22
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US 2004258710	NCL	424/190.100
	ECLA	C07K014/52A
US 2005019823	NCL	435/006.000
	ECLA	C07K014/47
US 2005153396	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
	ECLA	C07K014/47
US 2005153348	NCL	435/006.000; 435/007.230
	ECLA	C07K014/47
US 2005176041	NCL	435/006.000
US 2005164266	NCL	435/006.000; 435/007.100; 435/287.200
US 2005170396	NCL	435/006.000; 435/007.200
US 2005176046	NCL	435/006.000; 435/007.230
US 2005170458	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200
US 2005176104	NCL	435/069.300; 530/350.000; 435/320.100; 435/325.000; 530/388.800; 536/023.500
US 2005136515	NCL	435/069.100
	ECLA	C07K014/47
US 2005136475	NCL	435/006.000
	ECLA	C07K014/47; C07K014/705
US 2005164279	NCL	435/006.000
US 2005158830	NCL	435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000; 530/388.100; 536/023.200

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Thus, 305 cDNAs encoding human secreted or transmembrane proteins were identified by extracellular domain homol. screening, amylase screening, and signal algorithm anal. These transcripts for these proteins are overexpressed in various cancerous

- tissues, including adrenal, lung, colon, breast, prostate, rectal, cervical, and liver tumors. Certain of the proteins stimulate release of tumor necrosis factor- $\alpha$  from human blood, and also stimulate proliferation or differentiation of chondrocytes. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
- ST protein secretory transmembrane cDNA sequence human; tumor secretory transmembrane protein overexpression
- IT Animal cell line  
(293, recombinant expression host; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Animal cell line  
(CHO, recombinant expression host; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Animal cell  
(baculovirus-infected insect, recombinant expression host; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Diagnosis  
(cancer; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Uterus, neoplasm  
(cervix; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Antibodies  
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(chimeric; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Intestine, neoplasm  
(colon; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Intestine, neoplasm  
(colorectal; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Protein motifs  
(extracellular domain; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Antibodies  
RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(humanized; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Antibodies  
RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(monoclonal; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Mammary gland  
Prostate gland  
(neoplasm; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Escherichia coli  
Yeast  
(recombinant expression host; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Adrenal gland, neoplasm  
Liver, neoplasm  
Lung, neoplasm

Molecular cloning

Neoplasm

Protein sequences

Tumor markers

cDNA sequences

(secreted and transmembrane polypeptides and human nucleic acids  
encoding them that are overexpressed in cancerous tissues)

- IT Antibodies
  - Probes (nucleic acid)
  - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Fusion proteins (chimeric proteins)
  - RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
  - (secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Tumor necrosis factors
  - RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
  - (secretion stimulation in blood; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Proteins, specific or class
  - RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
  - (secretory; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Antibodies
  - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (single chain; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Cell differentiation
  - Cell proliferation
  - (stimulation of chondrocyte; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Chondrocyte
  - (stimulation of differentiation or proliferation of; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT Proteins, specific or class
  - RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
  - (transmembrane; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)
- IT
 

151185-21-6	160575-51-9	185229-04-3	200145-68-2	202669-30-5
203876-08-8	204868-81-5	205704-98-9, Protein (human Th1 cell-specific)		
208065-42-3, Protein (human gene LU103)	208472-38-2	208668-52-4		
208668-58-0	209209-94-9, Protein (human gene ASP1)	209334-83-8		
209859-57-4	210044-19-2	211749-90-5	212704-82-0	213464-65-4
213471-70-6, Protein zsig32 (human)	213474-05-6	214684-34-1		
217795-43-2, Protein (human clone HP10230)	217795-45-4, Protein (human clone HP10408)	217795-48-7, Protein (human clone HP10419)	218438-77-8,	
Protein LS170 (human clone 1355520IH)	218948-50-6	219709-98-5		
220104-93-8, Protein DC3 (human dendritic cells)	220483-73-8			
220710-70-3	220793-26-0, Protein PIGR-1 (human)	221079-13-6		
221216-74-6	221266-03-1	221369-75-1	221369-76-2	221369-81-9
221455-95-4	221877-69-6	221877-79-8	221877-95-8	221878-41-7
221879-04-5	221879-28-3	221879-33-0	221890-47-7	221896-58-8

223415-76-7, Protein PRO358 (human clone DNA47361) 224301-63-7  
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 243122-52-3 243122-70-5 243122-74-9 243123-25-3 243123-45-7  
 243646-92-6, Protein (human prostate 371-amino acid) 244004-81-7  
 244028-85-1 249610-95-5 249619-76-9, Peflin (human fetus)  
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 329286-30-8

RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study,  
 unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical  
 study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
 (amino acid sequence; secreted and transmembrane polypeptides and human  
 nucleic acids encoding them that are overexpressed in cancerous  
 tissues)

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 329800-21-7 329800-25-1 339216-30-7 339596-83-7 343902-10-3,  
 Protein PRO4978 (human clone DNA95930) 344007-43-8 346013-08-9  
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 362539-97-7 362540-02-1 362540-13-4 362540-23-6 362540-27-0  
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RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study,

unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(amino acid sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

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	252196-89-7	252196-95-5	252196-97-7	252197-09-4	252197-22-1
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RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(nucleotide sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

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RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
 (nucleotide sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

IT 244294-31-3, PN: WO9949028 SEQID: 2 unclaimed DNA 244294-32-4, PN: WO9949028 SEQID: 3 unclaimed DNA

RL: PRP (Properties)  
 (unclaimed nucleotide sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

IT 362642-73-7

RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
 (amino acid sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

RN 362642-73-7 HCAPLUS

CN Protein PRO9741 (human clone DNA108728-2760 precursor) (9CI) (CA INDEX NAME)

SEQ 1 MSAMKSVLPL LNPYCVLAFV YACMCVRAHV CVCVYMCMCV LCACVCTCRK  
 51 KVMCGNGEFQ PRRRLCLGLP REVVTLRETG SKCTLPSSSL CDLGQVTSAP

L9 ANSWER 16 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:514493 HCAPLUS

DN 135:223287

ED Entered STN: 17 Jul 2001

TI A novel exosite on coagulation factor VIIa and its molecular interactions with a new class of peptide inhibitors

AU Roberge, Martin; Santell, Lydia; Dennis, Mark S.; Eigenbrot, Charles; Dwyer, Mary A.; Lazarus, Robert A.

CS Department of Protein Engineering, Genentech Inc., South San Francisco, CA, 94080, USA

SO Biochemistry (2001), 40(32), 9522-9531  
 CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

CC 7-3 (Enzymes)

Section cross-reference(s): 13

AB A new inhibitory peptide binding exosite on the protease domain of coagulation Factor VIIa (FVIIa) has been identified. A novel series of peptide inhibitors of FVIIa, termed the "A-series" peptides, identified from peptide phage libraries and exemplified by peptide A-183, specifically bind at a site that is distinct from both the active site and the exosite of another recently described peptide inhibitor of FVIIa, E-76. Peptide A-183 prolonged TF-dependent clotting in human, but not rabbit plasma. Thus, a panel of human FVIIa mutants, containing 70 of the 76 rabbit sequence differences in the protease domain, localized the binding site to residues in the 60s loop and the C-terminus. The location of the exosite was refined by a series of FVIIa alanine mutants, which showed that proximal residues Trp 61 and Leu 251 were critical for binding. Kinetic

and equilibrium binding consts. for zymogen FVII, FVIIa and TF·FVIIa were determined using immobilized N-terminal biotinylated A-183 by surface plasmon resonance. No peptide binding to nine other human serine proteases was observed. Key residues on the peptide were determined from binding to FVIIa and inhibition of FX activation using a series of alanine mutants of A-183 fused to the Z domain of protein A. Anal. of the mutagenesis data is presented in the context of a crystal structure of A-183 in complex with a version of zymogen FVII. The shape and proximity of this exosite to the active site may lend itself towards the design of new anticoagulants that inhibit FVIIa.

ST coagulation factor VIIa exosite peptide inhibitor

IT Protein motifs

(protease domain; protease domain exosite on coagulation factor VIIa and mol. interactions with A-series peptide inhibitors)

IT 9001-25-6, Blood-coagulation factor VII 9035-58-9D, Blood-coagulation factor III, complexes with coagulation factor VIIa 65312-43-8D, Coagulation Factor VIIa, complexes with tissue factor

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(peptide inhibitors binding to coagulation factor VII and tissue factor complexes with coagulation factor VIIa)

IT 319927-97-4 325722-51-8 325722-64-3 358740-54-2 358740-54-2D, biotinylated derivs.

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(protease domain exosite on coagulation factor VIIa and mol. interactions with A-series peptide inhibitors)

IT 65312-43-8, Coagulation Factor VIIa

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)

(protease domain exosite on coagulation factor VIIa and mol. interactions with A-series peptide inhibitors)

IT 61-90-5, L-Leucine, biological studies

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)

(residue 251; coagulation factor VIIa Trp-61 and Leu-251 in binding of peptide inhibitors)

IT 73-22-3, L-Tryptophan, biological studies

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)

(residue 61; coagulation factor VIIa Trp-61 and Leu-251 in binding of peptide inhibitors)

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IT 325722-51-8

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (protease domain exosite on coagulation factor VIIa and mol.  
 interactions with A-series peptide inhibitors)

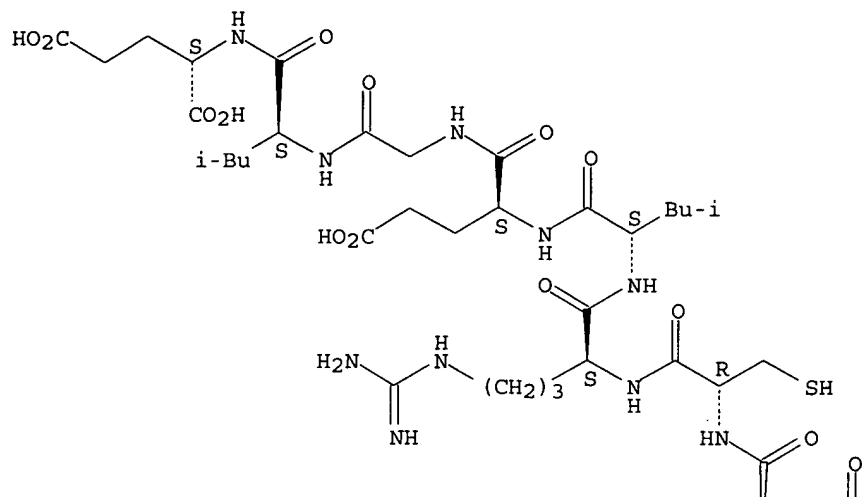
RN 325722-51-8 HCAPLUS

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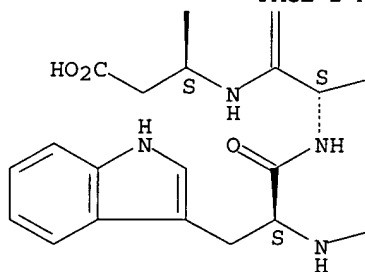
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Absolute stereochemistry.

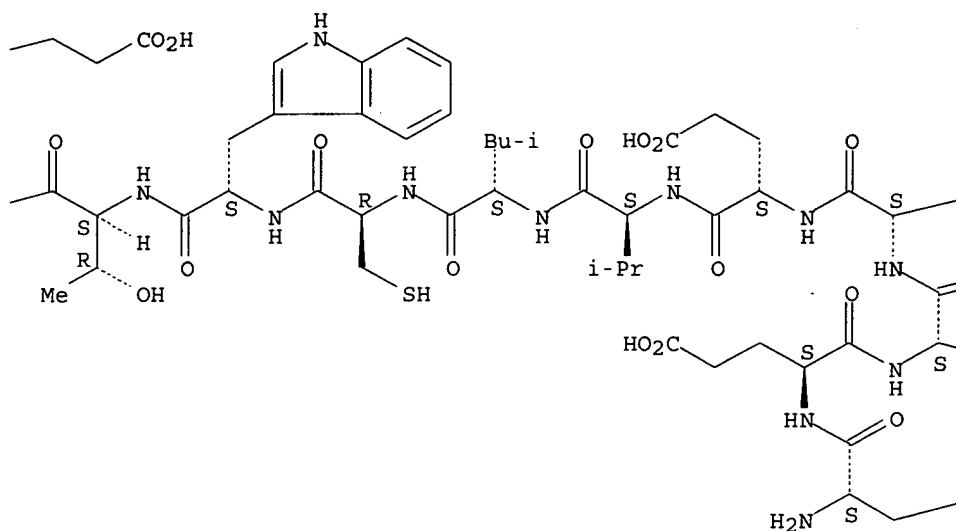
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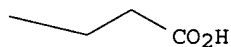
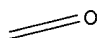
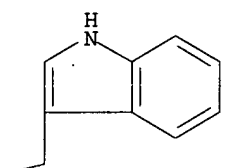
PAGE 2-A



PAGE 2-B



PAGE 2-C



L9 ANSWER 17 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:496925 HCAPLUS  
 DN 135:221051  
 ED Entered STN: 11 Jul 2001  
 TI Selection and characterization of a new class of peptide exosite  
 inhibitors of coagulation factor VIIa  
 AU **Dennis, Mark S.**; Roberge, Martin; Quan, Cliff; Lazarus, Robert  
 A.  
 CS Departments of Protein Engineering and Bioorganic Chemistry,  
**Genentech Inc.**, South San Francisco, CA, 94080, USA  
 SO Biochemistry (2001), 40(32), 9513-9521  
 CODEN: BICHAW; ISSN: 0006-2960  
 PB American Chemical Society

Search done by Noble Jarrell

DT Journal  
 LA English  
 CC 1-8 (Pharmacology)  
 AB A new series of peptide inhibitors of human Factor VIIa (FVIIa) has been identified and affinity matured from naive and partially randomized peptide phage libraries selected against the immobilized tissue factor-Factor VIIa (TF-FVIIa) complex. These "A-series" peptides contain a single disulfide bond and a 13-residue minimal core required for maximal affinity. They are exemplified by peptide A-183 (EEWEVLCWTWETCER), which binds at a newly identified exosite on the FVIIa protease domain, described in the accompanying report [Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) *Biochem. 40*, XXXXX-XXXXX]. A-183 was obtained from a trypsin digest of A-100-Z, a recombinant protein comprising A-183 and the Z domain of protein A. Surprisingly, A-183 was a very potent inhibitor of TF-FVIIa, inhibiting activation of Factor X (FX) and Factor IX and amidolytic activity of Chromozym t-PA with IC<sub>50</sub> values of  $1.6 \pm 1.2$ ,  $3.5 \pm 0.3$ , and  $8.5 \pm 3.5$  nM, resp. Kinetic anal. revealed that A-183 was a partial (hyperbolic) mixed-type inhibitor of FX activation having a K<sub>i</sub> of 200 pM as well as a partial competitive inhibitor of amidolytic activity. The A-series peptides were also specific and potent inhibitors of TF-dependent clotting as measured in a prothrombin time (PT) clotting assay and had no effect on the TF-independent activated partial thromboplastin time. At saturating concns. of peptide, the maximal extent by which A-183 and A-100-Z inhibited the rate of FX activation was  $78 \pm 3$  and  $89 \pm 6\%$ , resp. The degree of inhibition of the rate of FX activation correlated with a maximum fold prolongation in the PT assay of 1.8-fold for A-183 and 3.3-fold for A-100-Z. The A-series peptides represent a new class of peptide exosite inhibitors that are capable of attenuating, rather than completely inhibiting, the activity of TF-FVIIa, potentially leading to anticoagulants with an increased therapeutic window.

ST peptide sequence coagulation factor VIIa inhibiting anticoagulant  
 IT Anticoagulants  
 Protein sequences  
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

IT 325722-51-8 325722-64-3 358740-54-2  
 359635-57-7 359635-58-8 359635-59-9  
 359635-60-2 359635-61-3 359635-62-4 359635-63-5  
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 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

IT 9001-28-9, Factor IX 9001-29-0, Factor X 65312-43-8, Factor VIIa  
 137051-68-4, Chromozym t-PA  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

IT 9035-58-9, Blood-coagulation factor III  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

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 RE  
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IT 325722-51-8

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

RN 325722-51-8 HCAPLUS

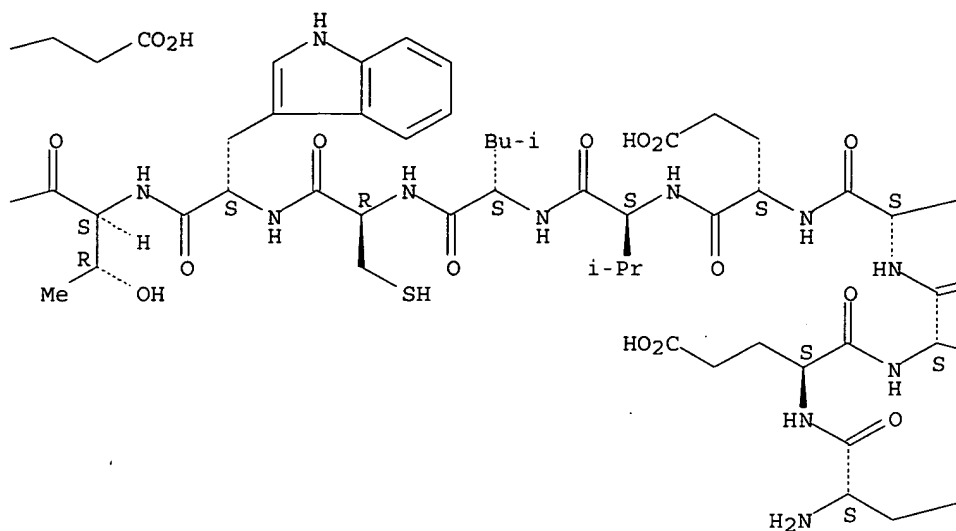
CN L-Glutamic acid, L-seryl-L- $\alpha$ -glutamyl-L- $\alpha$ -glutamyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-valyl-L-leucyl-L-cysteinyl-L-tryptophyl-L-threonyl-L-tryptophyl-L- $\alpha$ -glutamyl-L- $\alpha$ -aspartyl-L-cysteinyl-L-arginyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-leucyl- (9CI) (CA INDEX NAME)

SEQ 1 SEWEVLCWT WEDCRLEGLE

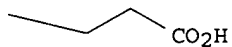
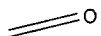
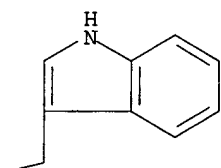
Absolute stereochemistry.

CC(C(=O)O)SC(=O)N[C@@H](Cc1c[nH]c2ccccc12)C(=O)N[C@@H](C)SC(=O)N

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PAGE 2-C



L9 ANSWER 18 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:115174 HCAPLUS  
 DN 134:168300  
 ED Entered STN: 15 Feb 2001  
 TI Factor VIIa antagonists for diagnostic or therapeutic use  
 IN **Dennis, Mark S.**  
 PA **Genentech, Inc., USA**  
 SO PCT Int. Appl., 80 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C07K004-00  
 CC 63-3 (Pharmaceuticals)

Search done by Noble Jarrell

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010892	A2	20010215	WO 2000-US21296	20000804
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2380633	AA	20010215	CA 2000-2380633	20000804
	EP 1203014	A2	20020508	EP 2000-952495	20000804
	EP 1203014	B1	20041013		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
	JP 2003512303	T2	20030402	JP 2001-515700	20000804
	AT 279437	E	20041015	AT 2000-952495	20000804
	US 2004077547	A1	20040422	US 2003-639076	20030811
PRAI	US 1999-147627P	P	19990806		
	US 1999-150315P	P	19990823		
	US 2000-632429	A1	20000804		
	WO 2000-US21296	W	20000804		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001010892	ICM	C07K004-00
WO 2001010892	ECLA	C07K007/08A; C07K014/00B
US 2004077547	NCL	514/014.000
	ECLA	C07K007/08A; C07K014/00B

OS MARPAT 134:168300

AB This invention provides novel compds. which prevent or block a FVIIa mediated or associated process or event such as the catalytic conversion of FX to FXa, FVII to FVIIa or FIX to FIXa. In particular aspects, the compds. of the invention bind Factor VIIa (FVIIa), its zymogen Factor VII (FVII) and/or block the association of FVII or FVIIa with a peptide compound of the present invention. The invention also provides pharmaceutical compns. comprising the novel compds. as well as their use in diagnostic, therapeutic, and prophylactic methods.

ST blood coagulation factor VIIa antagonist

IT Diagnosis

(agents; factor VIIa antagonists for diagnostic or therapeutic use)

IT Phage display library

Protein sequences

(factor VIIa antagonists for diagnostic or therapeutic use)

IT Peptides, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PNU (Preparation, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(factor VIIa antagonists for diagnostic or therapeutic use)

IT Drug delivery systems

(inhalants; factor VIIa antagonists for diagnostic or therapeutic use)

IT Drug delivery systems

(liqs.; factor VIIa antagonists for diagnostic or therapeutic use)

IT Drug delivery systems

(powders; factor VIIa antagonists for diagnostic or therapeutic use)

IT 9001-28-9, Blood coagulation factor ix 9001-29-0, Coagulation factor x  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(activation of; factor VIIa antagonists for diagnostic or therapeutic use)

IT 65312-43-8, Coagulation factor viia

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BIOL (Biological study)  
(antagonists; factor VIIa antagonists for diagnostic or therapeutic  
use)

IT 325722-42-7

RL: BAC (Biological activity or effector, except adverse); BPR (Biological  
process); BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study); PROC (Process)

(factor VIIa antagonists for diagnostic or therapeutic use)

IT 325722-44-9 325722-46-1 325722-48-3 325722-49-4

325722-51-8 325722-54-1 325722-56-3

325722-58-5 325722-60-9 325722-61-0 325722-63-2

325722-64-3 325722-66-5 325722-67-6

325722-69-8 325722-71-2 325722-72-3

325722-73-4 325722-74-5 325722-75-6 325722-76-7

325722-77-8 325722-78-9 325722-79-0 325722-80-3

325722-81-4 325722-82-5 325722-83-6

325722-84-7 325722-85-8 325722-86-9

325722-87-0 325722-88-1 325722-89-2

RL: BAC (Biological activity or effector, except adverse); BPR (Biological  
process); BSU (Biological study, unclassified); PRP (Properties); THU  
(Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(factor VIIa antagonists for diagnostic or therapeutic use)

IT 9001-25-6, Blood-coagulation factor VII

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)

(factor VIIa antagonists for diagnostic or therapeutic use)

IT 325722-42-7

RL: BAC (Biological activity or effector, except adverse); BPR (Biological  
process); BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study); PROC (Process)

(factor VIIa antagonists for diagnostic or therapeutic use)

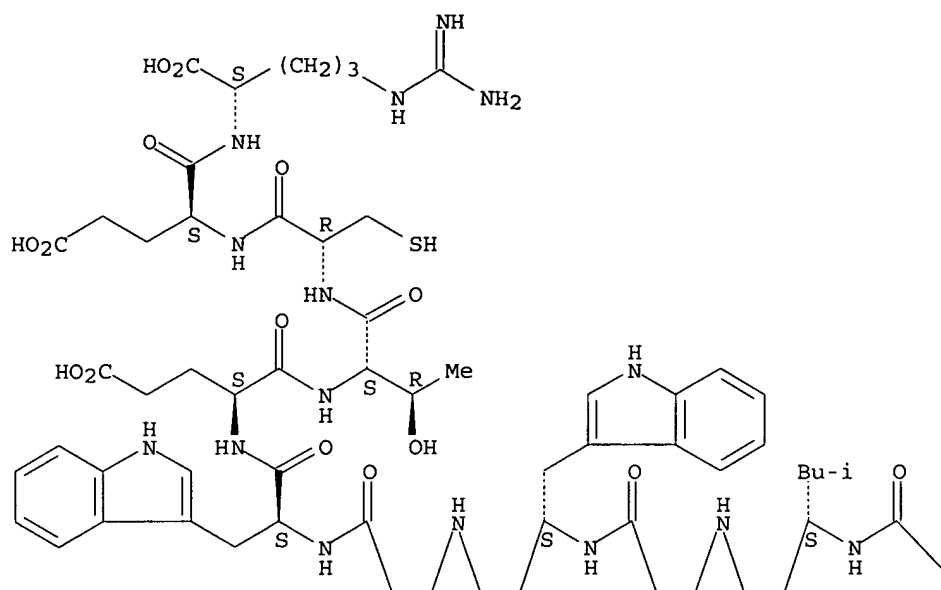
RN 325722-42-7 HCAPLUS

CN L-Arginine, L-tryptophyl-L- $\alpha$ -glutamyl-L-valyl-L-leucyl-L-cysteinyl-L-  
tryptophyl-L-threonyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-threonyl-L-  
cysteinyl-L- $\alpha$ -glutamyl- (9CI) (CA INDEX NAME)

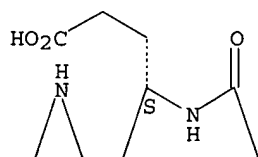
SEQ 1 WEVLCWTWET CER

Absolute stereochemistry.

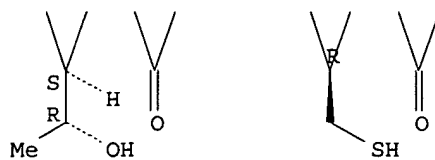
PAGE 1-A



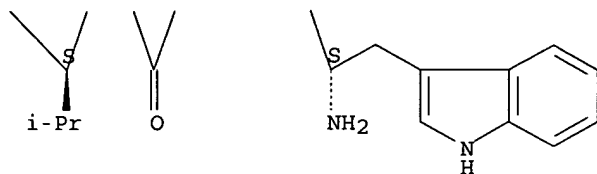
PAGE 1-B



PAGE 2-A



PAGE 2-B



L9 ANSWER 19 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1990:49998 HCAPLUS  
 DN 112:49998  
 ED Entered STN: 17 Feb 1990  
 TI Cloning and expression of cDNA for soluble CD4 derivatives and fusion proteins  
 IN Capon, Daniel J.; Gregory, Timothy J.  
 PA Genentech, Inc., USA  
 SO Eur. Pat. Appl., 36 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 IC ICM C12N015-00  
 ICS C12P021-02; A61K037-02  
 ICA G01N033-566  
 CC 3-4 (Biochemical Genetics)  
 Section cross-reference(s): 63

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 314317	A1	19890503	EP 1988-309194	19881003
	EP 314317	B1	19980826		
	EP 314317	B2	20050323		
	R: ES, GR				
	EP 832971	A1	19980401	EP 1997-116064	19881003
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 166387	E	19980615	AT 1988-909155	19881003
	ES 2121733	T3	19981216	ES 1988-309194	19881003
	US 5336603	A	19940809	US 1992-936190	19920826
	US 5565335	A	19961015	US 1994-236311	19940502
	US 6117655	A	20000912	US 1995-457918	19950601
	US 2003104535	A1	20030605	US 2002-157408	20020528
	US 6710169	B2	20040323		
	US 2004197809	A1	20041007	US 2004-769247	20040130
PRAI	US 1987-104329	A	19871002		
	US 1988-250785	A	19880928		
	EP 1988-909155	A3	19881003		
	US 1992-842777	B1	19920218		
	US 1992-936190	A1	19920826		
	US 1994-236311	A1	19940502		
	US 1995-457918	A1	19950601		
	US 1999-275310	B1	19990324		
	US 2000-641554	B1	20000817		
	US 2002-157408	A1	20020528		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 314317	ICM	C12N015-00
	ICS	C12P021-02; A61K037-02
	ICA	G01N033-566
EP 314317	ECLA	A61K047/48R2H; C07K014/34; C07K014/705B14; C07K016/00; G01N033/68B
EP 832971	ECLA	C07K014/705B14

Search done by Noble Jarrell

US 5336603 NCL 435/069.700; 424/134.100; 435/252.300; 435/320.100;  
530/350.000; 530/387.300; 536/023.400  
ECLA A61K047/48R2H; C07K014/705B14; C07K016/00

US 5565335 NCL 435/069.700; 435/252.300; 435/320.100; 514/002.000;  
530/350.000; 530/387.100; 530/387.300; 536/023.400  
ECLA A61K047/48R2H; C07K014/705B14; C07K016/00

US 6117655 NCL 435/069.700; 435/071.100; 435/071.200; 435/252.300;  
435/254.110; 435/320.100; 435/325.000; 435/471.000;  
536/023.100; 536/023.400; 536/023.500; 536/023.530  
ECLA C07K014/705B14

US 2003104535 NCL 435/069.100  
ECLA A61K047/48R2H; C07K014/34; C07K014/705B14; C07K016/00;  
G01N033/68B

US 2004197809 NCL 435/006.000  
ECLA A61K047/48R2H; C07K014/34; C07K014/705B14; C07K016/00;  
G01N033/68B

AB Water-soluble derivs. of the CD4 antigen and water-soluble fusions of CD4 with  
Ig polypeptides that are potentially useful as therapeutic agents are  
described. A series of CD4-herpesvirus glycoprotein D fusion proteins  
were prepared and their interaction with human immunodeficiency virus (HIV)  
gp120 studies. Binding consts. for the interaction were .apprx.10<sup>-9</sup>M.  
The soluble fusion proteins also greatly reduced the infection of culture  
cells by HIV.

ST sol CD4 fusion protein; AIDS therapy CD4 fusion protein

IT Nomenclature, new concepts  
(adhesion, member of the Ig superfamily of proteins)

IT Immunoglobulins  
RL: BIOL (Biological study)  
(constant region of, fusion products with soluble CD4 antigen, cDNA for,  
expression in animal cells of)

IT Receptors  
RL: BIOL (Biological study)  
(for IgE, fusion products with antigens or cytotoxic polypeptides or  
plasma proteins of)

IT Gene and Genetic element, animal  
RL: BIOL (Biological study)  
(for soluble CD4 antigen fusion derivs., cloning and expression in animal  
cells of)

IT Antigens  
RL: BIOL (Biological study)  
(fusion proteins with soluble CD4 antigen)

IT Proteins, biological studies  
RL: BIOL (Biological study)  
(of blood plasma, fusion products with adhesions)

IT Molecular cloning  
(of soluble CD4 antigen chimeric genes, in animal cells)

IT Protein sequences  
(of soluble CD4 antigen fusion proteins of human)

IT Animal cell line  
(293S, cloning and expression in, of soluble CD4 antigen chimeric genes)

IT Antigens  
RL: BIOL (Biological study)  
(CD4, water-soluble derivs. of, cDNA for, cloning and expression in animal  
cells of)

IT Antigens  
RL: BIOL (Biological study)  
(CD8, fusion products with antigens or cytotoxic polypeptides or plasma  
proteins)

IT Animal cell line  
(CHO, cloning and expression in, of soluble CD4 antigen chimeric genes)

IT Immunodeficiency  
(acquired immune deficiency syndrome, treatment of, soluble CD4 antigen  
fusion proteins for)

IT Deoxyribonucleic acid sequences  
(antigen CD4 fusion protein-specifying, of human)

IT Gene and Genetic element

- RL: BIOL (Biological study)  
(chimeric, for soluble CD4 antigen and Igs or signal sequences or antigen or toxins)
- IT Toxins  
RL: BIOL (Biological study)  
(diphtheria, A fragment of, fusion products with soluble CD4 antigen, chimeric gene for)
- IT Proteins, specific or class  
RL: BIOL (Biological study)  
(fusion products, of soluble CD4 antigen and Igs or signal peptides or antigens or toxins)
- IT Albumins, compounds  
Lipoproteins  
Transferrins  
RL: BIOL (Biological study)  
(fusion products, with CD4 or CD8 or IgE receptor)
- IT Glycoproteins, specific or class  
RL: BIOL (Biological study)  
(gD, of herpes virus, fusion products with soluble CD4 antigens)
- IT Virus, animal  
(human immunodeficiency 1, infection with, treatment of, soluble CD4 antigen fusion proteins for)
- IT Plasmid and Episome  
(pRKCD4Ck, soluble CD4 antigen-Ig constant domain fusion gene on, expression in animal cells of)
- IT Plasmid and Episome  
(pRKCD4T, soluble CD4 antigen cDNA on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD4e1y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD4e2y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD4e4y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD4e4x, soluble CD4 antigen-Ig constant domain fusion gene on)
- IT Plasmid and Episome  
(pRKCD41y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD42y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD44y1, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pRKCD44x, soluble CD4 antigen-Ig constant domain fusion gene on)
- IT Plasmid and Episome  
(pRKGDCD4T, soluble CD4 antigen-herpes virus glycoprotein D fusion protein gene on, expression in 293S cells of)
- IT Plasmid and Episome  
(pSVeCD4DHFR, CD4 antigen cDNA on, expression in CHO cells of)
- IT Plasmid and Episome  
(pSVeCD4TPSVDHFR, soluble CD4 antigen cDNA on, expression in CHO cells of)
- IT Plasmid and Episome  
(pSVeCD4e2y1SVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pSVeCD4e4y1SVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)
- IT Plasmid and Episome  
(pSVeCD4AN1aDHFR, soluble CD4 antigen cDNA on, expression in CHO cells of)
- IT Plasmid and Episome

(pSVeCD4AN1aSVDHFR, soluble CD4 antigen cDNA on, expression in CHO cells of)

IT Plasmid and Episome  
(pSVeCD42y1SVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)

IT Plasmid and Episome  
(pSVeCD42xSVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)

IT Plasmid and Episome  
(pSVeCD44y1SVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)

IT Plasmid and Episome  
(pSVeCD44xSVDHFR, soluble CD4 antigen-Ig constant domain fusion gene on, expression in CHO cells of)

IT Gene and Genetic element  
(signal sequence, soluble CD4 antigen cDNA fused to, chimeric genes for)

IT Peptides, compounds  
RL: BIOL (Biological study)  
(signal, fusion products, with soluble CD4 antigen)

IT 124669-99-4 124670-00-4  
RL: PRP (Properties)  
(amino acid sequence of and expression in animal cells of cDNA for)

IT 124670-81-1  
RL: PRP (Properties)  
(amino acid sequence of and expression in animal cells of chimeric gene for)

IT 124670-90-2  
RL: PRP (Properties)  
(amino acid sequence of and expression in animal cells of chimeric genes for)

IT 124670-48-0 124670-49-1  
RL: PRP (Properties)  
(chimeric soluble CD4 antigen gene containing, expression in animal cells of)

IT 124670-35-5 124670-36-6 124670-45-7 124670-46-8  
RL: PRP (Properties)  
(nucleotide sequence and expression in animal cells of)

IT 124670-90-2  
RL: PRP (Properties)  
(amino acid sequence of and expression in animal cells of chimeric genes for)

RN 124670-90-2 HCAPLUS

CN Immunoglobulin G 1 (human Cyl protein moiety reduced),  
N-(L-valyl-L-threonyl-L-alanyl-L-alanyl-L- $\alpha$ -aspartyl-L-threonyl-L-alanyl-L-valyl-L-tyrosyl-L-tyrosyl-L-cysteinyl-L-alanyl-L-arginyl-L-alanyl-L-threonyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-tryptophyl-L-tyrosyl-L-arginyl-L- $\alpha$ -glutamyl-L-arginyl-L-prolyl-L-prolyl-L-cysteinyl-L-tryptophyl-L-isoleucyl-L- $\alpha$ -aspartyl-L-prolyl-L-tryptophylglycyl-L-leucylglycyl-L-threonyl-L-leucyl-L-valyl-L-threonyl-L-valyl-L-seryl-L-seryl)- (9CI) (CA INDEX NAME)

SEQ 1 VTAADTAVYY CARATFCLWY RERPPCWIDP WGLGTLTVTS SASTKGPSVF  
51 PLAPSSKSTS GGTAALGCLV KDYFPEPVTV SWNSGALTSG VHTFPAVLQS  
101 SGLYSLSSVV TVPSSSLGTQ TYICNVNHKP SNTKVDKKVE PKSCDKTHTC  
151 PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN  
201 WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK  
251 ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD  
301 IAVEWESNGQ PENNYKTPPP VLDSGDSFFL YSKLTVDKSR WQQGNVFSCS  
351 VMHEALHNHY TQKSLSLSPG K

=> d all hitseq 112 1-20

L12 ANSWER 1 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2005:611888 HCAPLUS  
 DN 143:111500  
 ED Entered STN: 15 Jul 2005  
 TI cDNAs encoding corn cellulose synthase and their use in improving stalk  
 and nodal strength in transgenic plants  
 IN Dhugga, Kanwarpal S.; Wang, Haiyin; Tones, Dwight; Helentjaris, Timothy G.  
 PA Pioneer Hi-Bred International, Inc., USA  
 SO U.S. Pat. Appl. Publ., 99 pp., Cont.-in-part of Ser. No. US 2002-209059,  
 filed on 31 Jul 2002 which is  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC ICM A01H001-00  
 ICS C12N015-82  
 INCL 800284000  
 CC 7-2 (Enzymes)  
 Section cross-reference(s): 3, 11, 17

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155108	A1	20050714	US 2004-963217	20041012 <--
	US 2003167528	A1	20030904	US 2002-160719	20020603 <--
	US 6803498	B2	20041012		
	US 2003163838	A1	20030828	US 2002-209059	20020731 <--
PRAI	US 1998-96822P	P	19980817	<--	
	US 1999-371383	B2	19990806	<--	
	US 2000-550483	B2	20000414	<--	
	US 2002-209059	A2	20020731		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005155108	ICM	A01H001-00
	ICS	C12N015-82
	INCL	800284000
US 2005155108	NCL	800/284.000
	ECLA	C07K014/415; C12N009/10D1A12; C12N015/82C4B2A; C12N015/82C8 <--
US 2003167528	NCL	800/284.000
	ECLA	C12N009/10D1A12; C12N015/82C4B2A; C12N015/82C8 <--
US 2003163838	NCL	800/278.000
	ECLA	C07K014/415; C12N009/10D1A12; C12N015/82C4B2A; C12N015/82C8 <--

AB The present invention relates to cDNAs encoding corn cellulose synthase  
 and their use in improving stalk and nodal strength in transgenic plants.  
 The invention further provides recombinant expression cassettes, host  
 cells, and transgenic plants comprising said nucleic acids. The cellulose  
 synthases can be used to improve the stalk quality for improved stand or  
 silage and for increased yield of ethanol per unit stover.

ST corn cellulose synthase cDNA sequence stalk cellulose content regulation;  
 CesA1 CesA8 CesA10 CesA11 CesA12 gene cellulose synthase corn; ethanol  
 prodn corn cellulose synthase

IT Gene, plant

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP  
 (Properties); BIOL (Biological study); USES (Uses)

(CesA-10; cDNAs encoding corn cellulose synthase and their use in  
 improving stalk and nodal strength in transgenic plants)

IT Gene, plant

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP  
 (Properties); BIOL (Biological study); USES (Uses)

(CesA-11; cDNAs encoding corn cellulose synthase and their use in  
 improving stalk and nodal strength in transgenic plants)

IT Gene, plant

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP  
 (Properties); BIOL (Biological study); USES (Uses)

(CesA-12; cDNAs encoding corn cellulose synthase and their use in

- improving stalk and nodal strength in transgenic plants)
- IT Gene, plant
  - RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (CesA-1; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Gene, plant
  - RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (CesA-8; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Molecular cloning
  - Plant cell
  - Plant tissue
  - Stem
  - Zea mays
    - (cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT cDNA sequences
  - (for cellulose synthase of corn; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Protein sequences
  - (of cellulose synthase homologs of corn; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Genetic engineering
  - (of plant cellulose metabolism; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Promoter (genetic element)
  - RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
  - (tissue-specific, expression of cellulose synthase gene from; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT Canola
  - Glycine max
  - Gossypium hirsutum
  - Helianthus annuus
  - Hordeum vulgare
  - Liliopsida
  - Medicago sativa
  - Oryza sativa
  - Panicum
  - Sorghum
  - Triticum aestivum
    - (transgenic; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT 9004-34-6, Cellulose, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (altering metabolism of; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT 857709-54-7 857709-55-8 857709-56-9 857709-57-0 857709-58-1
  - RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (amino acid sequence; cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT 336163-09-8, Cellulose synthase
  - RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)
- IT 64-17-5P, Ethanol, preparation
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (cDNAs encoding corn cellulose synthase and their use in improving stalk and nodal strength in transgenic plants)

IT 857709-33-2 857709-42-3 857709-51-4 857709-52-5 857709-53-6  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP  
 (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; cDNAs encoding corn cellulose synthase and their  
 use in improving stalk and nodal strength in transgenic plants)

IT 857712-64-2 857712-65-3 857712-66-4 857712-68-6 857712-69-7  
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 857712-83-5 857712-84-6 857712-85-7 857712-86-8 857712-87-9  
 857712-88-0 857712-89-1 857712-90-4 857712-91-5 857712-92-6  
 857712-93-7 857712-95-9 857712-96-0 857712-97-1 857712-99-3  
 857713-00-9 857713-02-1 857713-03-2  
 RL: PRP (Properties)  
 (unclaimed nucleotide sequence; cDNAs encoding corn cellulose synthase  
 and their use in improving stalk and nodal strength in transgenic  
 plants)

IT 857712'-67-5 857712-71-1 857712-75-5 857712-81-3  
 857712-94-8 857712-98-2 857713-01-0  
 RL: PRP (Properties)  
 (unclaimed protein sequence; cDNAs encoding corn cellulose synthase and  
 their use in improving stalk and nodal strength in transgenic plants)

IT 857712-67-5  
 RL: PRP (Properties)  
 (unclaimed protein sequence; cDNAs encoding corn cellulose synthase and  
 their use in improving stalk and nodal strength in transgenic plants)

RN 857712-67-5 HCAPLUS  
 CN 6: PN: US20050155108 SEQID: 6 unclaimed protein (9CI) (CA INDEX NAME)

SEQ 1 PLSRIVPISP NELNLYRIVI VLRLIILCFF FQYRITHPVE DAYGLWLVS  
 51 ICEVWFALSW LLDQFPKWYP INRETYLDRL ALRYDREGEP SQLAPIDVFF  
 101 STVDPLKEPP LITGNTVLSI LAVDYPVDKV SCYVSDDGSA MLTFEALSET  
 151 AEFARKWVFP CKKHNI EPRA PEFYFARKID YLKDKIQPSF VKERRAMKRE  
 201 CEEFKVRIDA LVAKAQKIP EGMTMADGTP WPGNNPRDHP GMIQVFLGHS  
 251 GGLD TDGNEL PRLVVSREK RPGFQHHKKA GAMNALIRVS AVLTNGAYLL  
 301 NVDCDHYFNS SKALREAMCF MMDPALGRKT CYVQFPQRFD GIDLHDRYAN  
 351 RNIVFFDINM KGLDGIQGPV YVG TGCCFN R QALYGYDPVL TEADLEPNII  
 401 IKSCCGGRKK KDKSYIDSKN RDMKRTESSA PIFNMEDIEE GFEGYEDERS  
 451 LLMSQKSLEK RFGQSPIFIA STFMTQGGIP PSTNPGSLLK EAIHVISCY  
 501 EDKTEWGKEI GWIYGSVTE D ILTGFKMHAR GWISIYCMPL RPCFKGSAPI  
 551 NLSDRNLNQVL RWALGSVEIL LSRHCPIWYG YNGRLKLLER LAYINTIVYP  
 601 ITSIPLVAYC VLPALCLLTN KFIIPASNY AGAFFILLFA SIFATGILEL  
 651 RWSGVGLEDW WRNEQFWVIG GTSAPHLFAVF QGLLKVLGI DTNFTVTSKA  
 701 TDDGDGFAEL YVFKWTTLLI PPTTVLVINL VGIVAGVSYA INSGYQSWGP  
 751 LFGKLFPAIW VILHLYPFLK GLMGKQNRTP TIVIVWSVLL ASIFSLWVK  
 801 IDPFISPTQK ALSRGQCGVN C

L12 ANSWER 2 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2005:185486 HCAPLUS  
 DN 142:234474  
 ED Entered STN: 04 Mar 2005  
 TI Nucleic acids and encoded protein from Eucalyptus grandis and Pinus  
 radiata and their use in the modification of plant cell signaling  
 IN Strabala, Timothy; Nieuwenhuizen, Nicolaas J.; Higgins, Colleen M.  
 PA Agrigenesis Biosciences Limited, N. Z.  
 SO U.S. Pat. Appl. Publ., 45 pp., Cont.-in-part of U.S. Ser. No. 101,464.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC ICM A01H001-00  
 ICS C12N015-82; C07H021-04; C12N005-04  
 INCL 800278000; 530370000; 435069100; 435419000; 435468000; 536023600  
 CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 11

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005050583	A1	20050303	US 2004-864252	20040609 <--
	US 6359198	B1	20020319	US 1999-228986	19990112 <--
	WO 2000042171	A1	20000720	WO 2000-US724	20000111 <--
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	RW:			GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	ZA 2001005644	A	20020611	ZA 2001-5644	20010710 <--
	US 2003046728	A1	20030306	US 2002-101464	20020318 <--
	US 6768041	B2	20040727		
PRAI	US 1999-228986	A2	19990112	<--	
	US 1999-162866P	P	19991101	<--	
	WO 2000-US724	A	20000111	<--	
	US 2000-704302	B2	20001101	<--	
	US 2002-101464	A2	20020318		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005050583	ICM	A01H001-00
	ICS	C12N015-82; C07H021-04; C12N005-04
	INCL	800278000; 530370000; 435069100; 435419000; 435468000; 536023600
US 2005050583	NCL	800/278.000
	ECLA	C07K014/415; C12N015/82C8H <--
US 6359198	NCL	800/298.000; 435/415.000; 536/023.600; 800/278.000
	ECLA	C07K014/415; C12N015/82C8 <--
WO 2000042171	ECLA	C07K014/415; C12N015/82C8 <--
US 2003046728	NCL	800/278.000
	ECLA	C07K014/415; C12N015/82C8H <--

AB The invention provides 496 cDNA polynucleotides that encode polypeptides involved in plant cell signaling in Eucalyptus grandis and Pinus radiata, together with genetic constructs comprising such polynucleotides. Methods for using such constructs for the modulation of cell signaling in plants are also disclosed, together with transgenic plants comprising such constructs. Thus, for example, over-expression in Arabidopsis thaliana of a RLK5-like receptor kinase is shown to enhance vegetative growth.

ST signaling protein cDNA sequence eucalyptus pine plant transformation

IT Receptors

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (ethylene; nucleic acids and encoded protein from Eucalyptus grandis and Pinus radiata and their use in the modification of plant cell signaling)

IT

Acacia  
Eucalyptus  
Eucalyptus grandis  
Liquidambar  
Molecular cloning  
Pinus  
Pinus radiata  
Populus  
Protein sequences  
Signal transduction, biological  
Swietenia  
Tectona grandis  
Transformation, genetic  
cDNA sequences

(nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT Proteins  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (response regulators; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT Proteins  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (signaling; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT *Arabidopsis thaliana*  
 Embryophyta  
*Nicotiana tabacum*  
 (transgenic; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT Embryophyta  
 (woody plant; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT

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845438-04-2	845438-05-3	845438-06-4	845438-07-5	845438-08-6
845438-09-7	845438-10-0	845438-11-1	845438-12-2	845438-13-3
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845443-81-4	845443-82-5	845443-83-6	845443-84-7	845443-85-8
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845443-96-1	845443-97-2	845443-98-3	845443-99-4	845444-00-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT	845444-01-1	845444-02-2	845444-03-3	845444-04-4	845444-05-5
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	845444-76-0	845444-77-1	845444-78-2	845444-79-3	845444-80-6
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT 99283-67-7, Histidine kinase 158886-13-6, RLK5 receptor-like protein kinase 219686-90-5, Receptor-like kinase  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT 845440-41-7 845440-42-8 845440-43-9 845440-44-0 845440-45-1  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(nucleotide sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT	845446-30-2	845446-31-3	845446-32-4	845446-89-1	845446-90-4
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	845447-08-7	845447-09-8	845447-10-1	845447-11-2	845447-12-3
	845447-13-4	845447-14-5	845447-15-6	845447-16-7	845447-17-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(nucleotide sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

IT 845445-54-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acids and encoded protein from *Eucalyptus grandis* and *Pinus radiata* and their use in the modification of plant cell signaling)

RN 845445-54-7 HCAPLUS  
 CN Signaling protein (Eucalyptus grandis clone US20050050583-SEQID-810) (9CI)  
 (CA INDEX NAME)

SEQ 1 MVFRRFVVML FICTASVCAG LTDPRDVAAI NSLYVSLGYP PLRGWLLVGG  
 51 DPCVDNWEV ECVISNITGL NLSGANLGGE LGDTLDFASL LSIDFSNNQI  
 101 GGSVPSHVPP TILTMLGNN HFSGIIPDSF EELTS LAHLD LSSNNLTGPL  
 151 PPSFGNLSAV TTLHLQNNKL IGTNLVLEDL PLIDLDIENN LFSGPIPPKL  
 201 MTIPIFKKGG NPFNTSVIPS PAPAPEPTSA PPPFIGQPPP SVPSKDGNGS  
 251 RAEAPKSAHS EGGSRVKKVI LIAVIGALVV VAITLLCLCL WRCSKKKQMN  
 301 EMGEGHNMGV YANSQGAAS KDSSRQPNYI TERQFPRKAV PEPLGKMGED  
 351 HGRAGLSNRQ MDVTKALSLR QKKDQVGDSS LPLQPVVSPL APPILNEKVI  
 401 RNPVVSAQPT VRKRPSERTV SSPSVPFYSI ASLQEFNTSF SPENFIGEGT  
 451 LGSVYKAVLP DGRLLAVKKL KAAVSRHQSD EKFGDLVSRI YKIRHSNIVE  
 501 LVGYCAEHAQ WLLIYQYCRN GTLYDALHLD DEVHGKLSWA TRIRVAIGAA  
 551 RALQYLHEVC QPPVVYRNFN STNILLDDKL EARASDCGLA SLISSGSGSQ  
 601 LSEHLNPNGY TAPESGAY SWQSDVYSFG VVMLELLTGR KSLDRSRPRG  
 651 EQFLVRWAIP QLHDIDALSK MMDPSLSSFY PTKSLSRFAD IISRCVQREP  
 701 EFRPPMSEVV QDLLRMM

L12 ANSWER 3 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:1019619 HCAPLUS  
 DN 142:1802  
 ED Entered STN: 26 Nov 2004  
 TI Japanese macaque herpesvirus nucleic acid and polypeptide sequences and  
 their use in disease model for multiple sclerosis and for screening  
 therapeutic agents  
 IN Wong, Scott W.; Axthelm, Michael K.; Hansen, Scott G.  
 PA Oregon Health & Science University, USA  
 SO U.S. Pat. Appl. Publ., 250 pp., Cont.-in-part of U.S. Ser. No. 276,524.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC ICM C12Q001-70  
 ICS C07H021-04; C12N007-00; C12N015-86; C12N005-06  
 INCL 435005000; 435069300; 435235100; 435456000; 435364000; 530350000;  
 536023720  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 1, 6, 10, 14  
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004234953	A1	20041125	US 2004-779597	20040212 <--
WO 2001088203	A1	20011122	WO 2001-US16274	20010517 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI US 2000-205652P	P	20000518	<--	
WO 2001-US16274	W	20010517		
US 2002-276524	A2	20021113		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004234953	ICM	C12Q001-70
	ICS	C07H021-04; C12N007-00; C12N015-86; C12N005-06
	INCL	435005000; 435069300; 435235100; 435456000; 435364000;

530350000; 536023720

US 2004234953 NCL 435/005.000  
ECLA C12Q001/70B4 <--

WO 2001088203 ECLA C07K014/03; C12N007/00; C12Q001/70B4 <--

AB Japanese macaques can harbor a virus related to Rhesus macaque rhadinovirus, called Japanese macaque herpesvirus (JMHV), is harbored in inflamed spinal cord lesions obtained from a Japanese macaque monkey with spontaneous multiple sclerosis-like disease. An isolated virus is disclosed herein (Japanese macaque herpesvirus, JMHV), as are viral particles including this virus and host cells infected with this virus. The entire nucleic acids sequence of this virus is provided herein. Also disclosed are the nucleic acid sequences of unique open reading frames, and the 171 polypeptide sequences encoded by these open reading frames. Pharmaceutical compns. are also disclosed that include the viral nucleic acid, a polypeptide encoded by the viral nucleic acid, an antibody that binds the JMHV polypeptide, or a polynucleotide encoding at least one JMHV polypeptide. Model systems for screening for agents of use in the treatment of multiple sclerosis are also disclosed.

ST Japanese macaque herpesvirus genome protein sequence; multiple sclerosis disease model drug screening herpesvirus

IT Glycoproteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BBRF2, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BDLF2, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BDLF4, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BGLF1, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BGLF2, sequence homolog; Japanese macaque herpesvirus nucleic acid and

- polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BGLF3, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BGLF3.5, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BKRF4, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BRRF1, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BRRF2, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (BTRF1, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Bcl-2, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Chemokine receptors  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (C-C (cysteine-cysteine chemokine receptors), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening

- therapeutic agents)
- IT CD antigens  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD 56, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Cyclins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Transcription factors  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (FOXO4 (forkhead box O4), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Immunoglobulin receptors  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (IgG, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT DNA sequences  
 Disease models  
 Drug screening  
 Genome  
 Immunoassay  
 Japanese macaque herpesvirus  
 Macaca fuscata  
 Multiple sclerosis  
 Nucleic acid hybridization  
 PCR (polymerase chain reaction)  
 Protein sequences  
 (Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Primers (nucleic acid)  
 Probes (nucleic acid)  
 RL: ARG (Analytical reagent use); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Glycoproteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);

- USES (Uses)  
(K1, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Antigens  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(LANA (latency-associated nuclear antigen), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(MCP (major capsid protein), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Cell adhesion molecules  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(NCAM (neural cell adhesion mol.), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Glycoproteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(R8.1 sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Transcription factors  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(TLE (transducin-like enhancer corepressor), sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(VIRF, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
USES (Uses)  
(VMIP, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Myosins  
RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU

(Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(XV, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(assembly/DNA maturation, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ataxin-7, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Transcription factors

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(bZIP, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(capsid, minor capsid protein sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(capsid, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(chromatin-associated, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(chromatin-remodeling, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU

(Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(complement-binding, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(flexin sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Glycoproteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(gH, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Glycoproteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(gL, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Glycoproteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(gM, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Transcription factors

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(gene c-myc promoter-binding, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Antigens

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(hepatitis B core, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(immediate-early, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

#### IT Diagnosis

(mol.; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for

- screening therapeutic agents)
- IT Antibodies and Immunoglobulins  
 RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (monoclonal; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neurexin, 1 $\alpha$  sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Primates  
 (non-human disease model; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (packaging protein sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Interleukin 8 receptors  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT 5-HT receptors  
 CD36 (antigen)  
 Calcium channel  
 Collagens, biological studies  
 DNA formation factors  
 Interleukin 6  
 Mucins  
 Multidrug resistance proteins  
 Transport proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (single-stranded DNA-binding, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)
- IT Proteins  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(tegument, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Enzymes, biological studies  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (transposases, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT Adrenoceptors  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 ( $\alpha$ 1A, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT 9014-24-8, RNA polymerase  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (-associated factor, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT 372092-80-3, Protein kinase  
 RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (-like protein, sequence homolog; Japanese macaque herpesvirus nucleic acid and polypeptide sequences and their use in disease model for multiple sclerosis and for screening therapeutic agents)

IT

797543-82-9	797543-83-0	797543-84-1	797543-85-2	797543-86-3
797543-87-4	797543-88-5	797543-89-6	797543-90-9	797543-91-0
797543-92-1	797543-93-2	797543-94-3	797543-95-4	797543-96-5
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797544-02-6	797544-03-7	797544-04-8	797544-05-9	797544-06-0
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797545-27-8	797545-28-9	797545-29-0	797545-30-3	797545-31-4
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 797545-47-2 797545-48-3 797545-49-4 797545-50-7 797545-51-8  
 797545-52-9

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU  
 (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties);  
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
 USES (Uses)

(amino acid sequence; Japanese macaque herpesvirus nucleic acid and  
 polypeptide sequences and their use in disease model for multiple  
 sclerosis and for screening therapeutic agents)

IT 797543-81-8

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU  
 (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties);  
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
 USES (Uses)

(nucleotide sequence; Japanese macaque herpesvirus nucleic acid and  
 polypeptide sequences and their use in disease model for multiple  
 sclerosis and for screening therapeutic agents)

IT 9001-78-9 9002-02-2, Succinate dehydrogenase 9002-03-3, Dihydrofolate  
 reductase 9002-06-6, Thymidine kinase 9012-90-2, DNA polymerase  
 9028-86-8, Aldehyde dehydrogenase 9031-61-2, Thymidylate synthetase  
 9040-57-7, Ribonucleotide reductase 9068-78-4, Histidyl-tRNA synthetase  
 9073-62-5, RNase III 37256-36-3, NADH-ubiquinone dehydrogenase  
 37289-34-2 50864-48-7, Sphingosine kinase 59088-21-0, Uracil DNA  
 glycosidase 64885-96-7, Primase 108658-39-5, Myosin phosphatase  
 192588-76-4, FLIP proteins

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU  
 (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties);  
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
 USES (Uses)

(sequence homolog; Japanese macaque herpesvirus nucleic acid and  
 polypeptide sequences and their use in disease model for multiple  
 sclerosis and for screening therapeutic agents)

IT 9001-16-5, Cytochrome oxidase

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU  
 (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties);  
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
 USES (Uses)

(subunit I, sequence homolog; Japanese macaque herpesvirus nucleic acid  
 and polypeptide sequences and their use in disease model for multiple  
 sclerosis and for screening therapeutic agents)

IT 797545-41-6

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); BSU  
 (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties);  
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);  
 USES (Uses)

(amino acid sequence; Japanese macaque herpesvirus nucleic acid and  
 polypeptide sequences and their use in disease model for multiple  
 sclerosis and for screening therapeutic agents)

RN 797545-41-6 HCAPLUS

CN Protein (Japanese macaque herpesvirus interleukin 8 receptor sequence  
 homolog gene JM160) (9CI) (CA INDEX NAME)

SEQ 1 MDALNNNLNL LMDFLSNYSN SYSSYDDNIS YTLDTSTLC RLTIIFPPTI  
 51 YAIICFFIFC ITLLGNALVL YIFFKFKALA NSVDVLMAGL CCNSLFLCAS  
 101 FLFSWLLYVA PQILTPATCK VEIFFFYLYT YFGVYIVVCI SLIRCLLVVF  
 151 SRRPWVKHWA SGFLCVCVSL IVALALSANA SLYRTALRHP ETSEWICYED  
 201 AGEDTVNWKL RIRTISAICG FLVPFGLLVL FYGLTWCIVK STKLARKGAV  
 251 RGVIVTVVVL FLIFCLPYHL CNFFDTLLRT GFVTETCYIR DVISVAMHIC  
 301 SLLQSMYSAF VPVVYSGLGS LFRRRVRDWT SMFRCFSTSG SL

L12 ANSWER 4 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:1012134 HCAPLUS  
 DN 141:421056  
 ED Entered STN: 24 Nov 2004  
 TI Expressed sequence tags and encoded human proteins  
 IN Edwards, Jean-Baptiste Dumas Milne; Duclert, Aymeric; Giordano, Jean-Yves  
 PA Genset S.A., Fr.  
 SO U.S., 72 pp., Cont.-in-part of Appl. No. PCT/IB99/00712.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 IC ICM C07K014-00  
 ICS A61K038-00; C12Q001-68; C07H021-04  
 INCL 530300000; 530309000; 530350000; 435006000; 435320100; 435325000;  
 536023100; 536024100  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 13  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6822072	B1	20041123	US 1999-471276	19991221 <--
	WO 9953051	A2	19991021	WO 1999-IB712	19990409 <--
	WO 9953051	A3	20000406		
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 2005106595	A1	20050519	US 2004-926683	20040825 <--
PRAI	US 1998-57719	B2	19980409	<--	
	US 1998-69047	B2	19980428	<--	
	WO 1999-IB712	A2	19990409	<--	
	US 1999-471276	A3	19991221	<--	

CLASS  
 PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES  
 -----  
 US 6822072 ICM C07K014-00  
 ICS A61K038-00; C12Q001-68; C07H021-04  
 INCL 530300000; 530309000; 530350000; 435006000; 435320100;  
 435325000; 536023100; 536024100  
 US 6822072 NCL 530/300.000; 435/006.000; 435/320.100; 435/325.000;  
 530/309.000; 530/350.000; 536/023.100; 536/024.100  
 ECLA C07K014/47; C12N015/10D <--  
 WO 9953051 ECLA C07K014/47; C12N015/10D <--  
 US 2005106595 NCL 435/006.000  
 ECLA C07K014/47; C12N015/10D <--

AB The sequences of 811 ESTs derived from the 5'-ends of mRNAs encoding secreted proteins from 29 different human tissues are disclosed. The 5' ESTs may be to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.  
 ST EST secretory protein sequence; cDNA secretory protein sequence  
 IT Transcription factors  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (bZIP, sequence homolog; expressed sequence tags and encoded human proteins)  
 IT Human  
 Protein sequences  
 cDNA sequences  
 (expressed sequence tags and encoded human proteins)  
 IT EST (expressed sequence tag)  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (expressed sequence tags and encoded human proteins)  
 IT Signal peptides

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (expressed sequence tags and encoded human proteins)  
 IT Animal tissue  
 (gene expression patterns in; expressed sequence tags and encoded human  
 proteins)  
 IT cDNA  
 RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)  
 (methods for identification and extended sequences of; expressed  
 sequence tags and encoded human proteins)  
 IT Promoter (genetic element)  
 RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)  
 (methods for identification of; expressed sequence tags and encoded  
 human proteins)  
 IT Proteins  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (phosphatidylethanolamine-binding, sequence homolog; expressed sequence  
 tags and encoded human proteins)  
 IT Proteins  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (secretory; expressed sequence tags and encoded human proteins)  
 IT Genetic element  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (signal sequence; expressed sequence tags and encoded human proteins)  
 IT 220593-06-6 225514-15-8 246537-95-1 246537-99-5 246538-06-7  
 246538-07-8 246538-08-9 246538-09-0 246538-10-3 246538-24-9  
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795886-64-5	795886-65-6	795886-66-7	795886-67-8	795886-68-9
795886-69-0	795886-70-3	795886-71-4	795886-72-5	795886-73-6
795886-74-7	795886-75-8	795886-76-9	795886-77-0	795886-78-1
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795886-84-9	795886-85-0	795886-86-1	795886-87-2	795886-88-3
795886-89-4	795886-90-7	795886-91-8	795886-92-9	795886-93-0
795886-94-1				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; expressed sequence tags and encoded human proteins)

IT	795886-95-2	795886-96-3	795886-97-4	795886-98-5	795886-99-6
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	795888-99-2	795889-00-8	795889-01-9	795889-02-0	795889-03-1
	795889-04-2	795889-05-3	795889-06-4	795889-07-5	795889-08-6
	795889-09-7	795889-10-0	795889-11-1	795889-12-2	795889-13-3
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	795889-24-6	795889-25-7	795889-26-8	795889-27-9	795889-28-0
	795889-29-1				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; expressed sequence tags and encoded human proteins)

IT	795889-30-4	795889-31-5	795889-32-6	795889-33-7	795889-34-8
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795889-40-6	795889-41-7	795889-42-8	795889-43-9	795889-44-0
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795889-50-8	795889-51-9	795889-52-0	795889-53-1	795889-54-2
795889-55-3	795889-56-4	795889-57-5	795889-58-6	795889-59-7
795889-60-0	795889-61-1	795889-62-2	795889-63-3	795889-64-4
795889-65-5	795889-66-6	795889-67-7	795889-68-8	795889-69-9
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795889-75-7	795889-76-8	795889-77-9	795889-78-0	795889-79-1
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795890-65-2	795890-66-3	795890-67-4	795890-68-5	795890-69-6
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795890-85-6	795890-86-7	795890-87-8	795890-88-9	795890-89-0
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795890-95-8	795890-96-9	795890-97-0	795890-98-1	795890-99-2
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795891-50-8	795891-51-9	795891-52-0	795891-53-1	795891-54-2
795891-55-3	795891-56-4	795891-57-5	795891-58-6	795891-59-7
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; expressed sequence tags and encoded human proteins)

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	795891-75-7	795891-76-8	795891-77-9	795891-78-0	795891-79-1
	795891-80-4	795891-81-5	795891-82-6	795891-83-7	795891-84-8
	795891-85-9	795891-86-0	795891-87-1	795891-88-2	795891-89-3
	795891-90-6	795891-91-7	795891-92-8	795891-93-9	795891-94-0
	795891-95-1	795891-96-2	795891-97-3	795891-98-4	795891-99-5
	795892-00-1	795892-01-2	795892-02-3	795892-03-4	795892-04-5
	795892-05-6	795892-06-7	795892-07-8	795892-08-9	795892-09-0
	795892-10-3	795892-11-4	795892-12-5	795892-13-6	795892-14-7
	795892-15-8	795892-16-9	795892-17-0	795892-18-1	795892-19-2
	795892-20-5	795892-21-6	795892-22-7	795892-23-8	795892-24-9
	795892-25-0	795892-26-1	795892-27-2	795892-28-3	795892-29-4
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	795892-35-2	795892-36-3	795892-37-4	795892-38-5	795892-39-6
	795892-40-9	795892-41-0	795892-42-1	795892-43-2	795892-44-3

795892-45-4 795892-46-5 795892-47-6 795892-48-7 795892-49-8  
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 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; expressed sequence tags and encoded human  
 proteins)

IT	795877-95-1	795877-96-2	795877-97-3	795877-98-4	795878-00-1
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	795878-09-0	795878-10-3	795878-11-4	795878-12-5	795878-13-6
	795878-14-7	795878-15-8	795878-16-9	795878-17-0	795878-18-1
	795878-19-2	795878-20-5	795878-21-6	795878-22-7	795878-23-8
	795878-24-9	795878-25-0	795878-26-1	795878-27-2	795878-28-3
	795878-29-4	795878-30-7	795878-31-8	795878-32-9	795878-33-0
	795878-34-1	795878-35-2	795878-36-3	795878-37-4	795878-38-5
	795878-39-6	795878-40-9	795878-41-0	795878-42-1	795878-43-2
	795878-44-3	795878-45-4	795878-46-5	795878-47-6	795878-48-7
	795878-49-8	795878-50-1	795878-51-2	795878-52-3	795878-53-4
	795878-54-5	795878-55-6	795878-56-7	795878-57-8	795878-58-9
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	795878-79-4	795878-80-7	795878-81-8	795878-82-9	795878-83-0
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	795879-29-7	795879-30-0	795879-31-1	795879-32-2	795879-33-3
	795879-34-4	795879-35-5	795879-36-6	795879-37-7	795879-38-8
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	795879-44-6	795879-45-7	795879-46-8	795879-47-9	795879-48-0
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	795879-54-8	795879-55-9	795879-56-0	795879-57-1	795879-58-2
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	795879-69-5	795879-70-8	795879-71-9	795879-72-0	795879-73-1
	795879-74-2	795879-75-3	795879-76-4	795879-77-5	795879-78-6
	795879-79-7	795879-80-0	795879-81-1	795879-82-2	795879-83-3
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	795879-94-6	795879-95-7	795879-96-8	795879-97-9	795879-98-0
	795879-99-1	795880-00-1	795880-01-2	795880-02-3	795880-03-4
	795880-04-5	795880-05-6	795880-06-7	795880-07-8	795880-08-9
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	795880-19-2	795880-20-5	795880-21-6	795880-22-7	795880-23-8
	795880-24-9	795880-25-0	795880-26-1	795880-27-2	795880-28-3
	795880-29-4	795880-30-7	795880-31-8	795880-32-9	795880-33-0

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; expressed sequence tags and encoded human  
 proteins)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; expressed sequence tags and encoded human proteins)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; expressed sequence tags and encoded human proteins)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; expressed sequence tags and encoded human proteins)

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RL: PRP (Properties)  
 (unclaimed nucleotide sequence; expressed sequence tags and encoded human proteins)

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Adams; NATURE 1995, V377 HCAPLUS

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- (7) Anon; WO 9845437 A2 1998 HCAPLUS
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IT 246877-97-4 795887-16-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; expressed sequence tags and encoded human proteins)

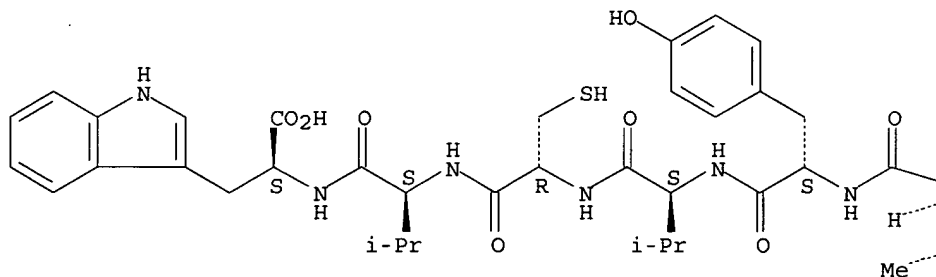
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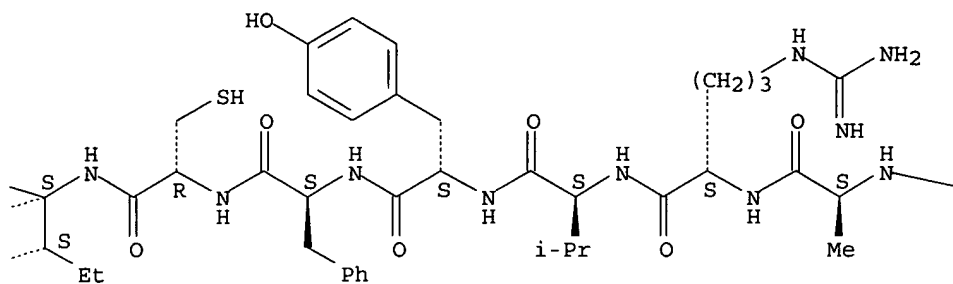
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Absolute stereochemistry.

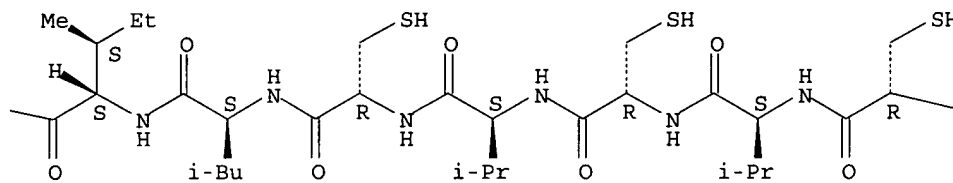
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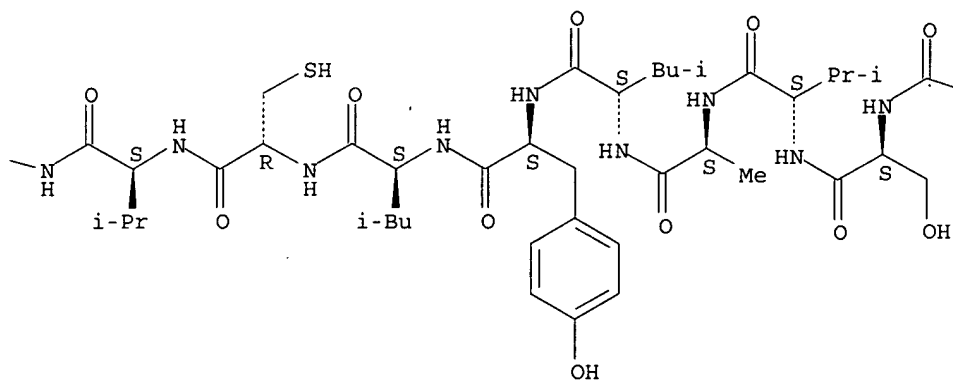
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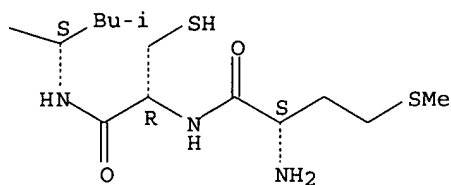
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PAGE 1-E



RN 795887-16-0 HCAPLUS  
 CN Secretory protein (human clone US06822072-SEQID-949 precursor N-terminal fragment) (9CI) (CA INDEX NAME)

SEQ 1 MPVCFYSLIC FFIYFCLLSP RETIEEVALF QFSLXLGEG LTFLCLCQVM  
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L12 ANSWER 5 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
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 DN 141:389900  
 ED Entered STN: 06 Nov 2004  
 TI Nucleic acids and their encoded polypeptides from human tissues  
 IN Tang, Y. Tom; Wang, Zhiwei; Weng, Gezhi; Boyle, Bryan J.; Drmanac, Radoje T.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 138 pp., Cont.-in-part of Appl. No. PCT/US01/02623.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
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 ICS C07H021-04; C12N009-00  
 INCL 435006000; 435069100; 435320100; 435325000; 435183000; 536023200  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 13, 63  
 FAN.CNT 116

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 US 2004219521 NCL 435/006.000  
 ECLA C07H021/04; C07K014/47; C07K014/705; C07K014/705B;  
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 WO 2003054152 ECLA C07H021/04; C07K014/475  
 EP 1504099 ECLA C07H021/04; C07K014/475  
 US 2005095237 NCL 424/131.100  
 ECLA C07H021/04; C07K014/705

AB The present invention provides novel nucleic acids, novel polypeptide sequences encoded by these nucleic acids and uses thereof. Thus, 124 novel nucleic acids were obtained from cDNA libraries prepared from various human tissues and in some cases isolated from a genomic library derived from human chromosomes using standard PCR, SBH (sequencing-by-hybridization) sequence signature anal., and Sanger sequencing techniques. Novel contigs of the invention were assembled from sequences that were obtained from a cDNA library by the above methods, and in some cases sequences obtained from one or more public databases, using a recursive algorithm to extend the seed EST into an extended assemblage. Tissue expression profiles and nearest neighbor sequence homologies are provided. The sequences of this invention have applications in nucleic acid or polypeptide arrays, in the identification of binding mols., and in treatment of diseases.

ST protein cDNA sequence human  
 IT Nucleic acid amplification (method)  
 Reverse transcription  
 (detection of polynucleotides by; nucleic acids and their encoded polypeptides from human tissues)

IT Immunoassay  
 (detection of polypeptides by; nucleic acids and their encoded polypeptides from human tissues)

IT Animal tissue  
 (gene expression in; nucleic acids and their encoded polypeptides from human tissues)

IT Computer application  
 DNA microarray technology  
 Drug screening  
 Human  
 Molecular cloning  
 Protein microarray technology  
 Protein motifs  
 Protein sequences  
 cDNA sequences  
 (nucleic acids and their encoded polypeptides from human tissues)

IT Proteins  
 cDNA  
 mRNA  
 RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (nucleic acids and their encoded polypeptides from human tissues)

IT Primers (nucleic acid)  
 Probes (nucleic acid)  
 RL: BUU (Biological use, unclassified); DGN (Diagnostic use); BIOL (Biological study); USES (Uses)  
 (nucleic acids and their encoded polypeptides from human tissues)

IT Antibodies and Immunoglobulins  
 RL: BUU (Biological use, unclassified); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (nucleic acids and their encoded polypeptides from human tissues)

IT Genetic mapping  
 (on human chromosomes; nucleic acids and their encoded polypeptides from human tissues)

IT Protein motifs  
 (transmembrane domain; nucleic acids and their encoded polypeptides from human tissues)

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RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; nucleic acids and their encoded polypeptides from human tissues)

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RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (nucleotide sequence; nucleic acids and their encoded polypeptides from human tissues)

IT 787254-09-5P 787254-10-8P 787254-11-9P  
 787255-86-1P

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (amino acid sequence; nucleic acids and their encoded polypeptides from human tissues)

RN 787254-09-5 HCAPLUS

CN Protein (human clone US20040219521-SEQID-188) (9CI) (CA INDEX NAME)

SEQ 1 MYKENLVIRIF RKKKRICHSF SSLFNLSTSK SWLHGSIFGD INSSPSEDNW  
 51 LKGTRRLDLD HCNGNADDLD CSSLTDDWES GKMAESVIT SSSSHIISQP  
 101 PGGNSHSLSL QSQLTASERF QENS SDHSET RLLQEVFFQA ILLAVCLIIS  
 151 ACARWFMGEI LASVFTCSLM ITVAYVKSLF LSLASYFKTT ACARFVKI

RN 787254-10-8 HCAPLUS

CN Protein (human clone US20040219521-SEQID-189) (9CI) (CA INDEX NAME)

SEQ 1 MIHSTSLSFV YAGSSRLERE YAGELSPTCI FPSFTCDSLD GYHSFECGSI  
 51 DPLTGSHYTC RRSRLLTNG YYIWTEDSFL CDKGNITLN PSQTSVMYKE  
 101 NLVIRIFRKKK RICHFSFSLF NLSTSKSWLH GSIFGDINSS PSEDNWLKGT  
 151 RRLDTHCNG NADDLDCSSL TDDWESGKMN AESVITSSSS HIISQPPGGN  
 201 SHSLSLQSQL TASERFQENS SDHSETRLLQ EVFFQAILLA VCLIISACAR  
 251 WFMGEILASV FTCSLMITVA YVKSFLSLA SYFKTTACAR FVKI

RN 787254-11-9 HCAPLUS

CN Protein (human clone US20040219521-SEQID-190) (9CI) (CA INDEX NAME)

SEQ 1 MRLHRSPDRL PLYLSPKPRL LTNGYYIWTE DSFLCDKDG NITLNPQSQTSV  
 51 MYKENLVIRIF RKKKRICHSF SSLFNLSTSK SWLHGSIFGD INSSPSEDNW  
 101 LKGTRRLDLD HCNGNADDLD CSSLTDDWES GKMAESVIT SSSSHIISQP  
 151 PGGNSHSLSL QSQLTASERF QENS SDHSET RLLQEVFFQA ILLAVCLIIS  
 201 ACARWFMGEI LASVFTCSLM ITVAYVKSLF LSLASYFKTT ACARFVKI

RN 787255-86-1 HCAPLUS  
 CN Protein (human clone US20040219521-SEQID-373 contig-encoded) (9CI) (CA  
 INDEX NAME)

SEQ 1 XTSKSWLHGS IFGDINSSPS EDNWLKGTRR LDTDHCNGNA DDLDCSSLTD  
 51 DWESGKMNAE SVITSSSSHI ISQPPGNSH SLSLQSQLTA SERFQENSSD  
 101 HSETRLQEV FFQAILLAVC LIISACARWF MGEILASVFT CSLMITVAYV  
 151 KSLFLSLASY FKTTACARFV KI

2004 0214 272  
 107 425; 115

L12 ANSWER 6 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:930169 HCAPLUS  
 DN 141:361551  
 ED Entered STN: 06 Nov 2004  
 TI Nucleic acid molecules and encoded proteins associated with plants and  
 their uses for plant improvement  
 IN Kovalic, David K.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 424,599.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C07H021-04; C12N015-82; C12Q001-68  
 INCL 800289000; 536236000  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11

FAN.CNT 76

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004216190	A1	20041028	US 2003-739930	20031218
	US 2004031072	A1	20040212	US 2003-424599	20030428 <--
	US 2004214272	A1	20041028	US 2003-425115	20030428
	US 2004216190	A1	20041028	US 2003-739930	20031218
PRAI	US 2003-424599	A2	20030428		
	US 2003-425115	A2	20030428		
	US 2003-739930	A	20031218		
	US 1999-304517	B1	19990506	<--	
	US 2001-985678	B2	20011105		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004216190	IC	A01H001-00IC C07H021-04IC C12N015-82IC C12Q001-68
	INCL	800289000; 536236000
US 2004216190	NCL	800/289.000
US 2004031072	NCL	800/278.000
	ECLA	C07H021/04; C07K014/415 <--
US 2004214272	NCL	435/069.100
	ECLA	C07K014/415; C12N015/82C4; C12N015/82C8
US 2004216190	NCL	800/289.000
	ECLA	C07H021/04; C07K014/415; C12N015/82C4; C12N015/82C8

AB Recombinant polynucleotides useful for improvement of plants are provided.  
 In particular, a total of 5544 cDNA sequences are provided from cDNA  
 libraries generated from Arabidopsis thaliana, Brassica napus (rape), Zea  
 mays (corn), Glycine max (soybean), and Triticum aestivum (wheat). The  
 polypeptides encoded by these polynucleotide sequences are also provided.  
 The open reading frame in each polynucleotide sequence is identified by a  
 combination of predictive and homol. based methods. Functions of  
 polypeptides are determined using a hierarchical classification tool (FuncAT)  
 and five public classification schemes (GO\_BP, GO\_CC, GO\_MF, KEGG, and EC)

and one internal Monsanto classification scheme (POI). The disclosed recombinant polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of three records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

- ST plant protein cDNA sequence transformation; Arabidopsis protein cDNA sequence transformation; rape cDNA sequence plant transformation; corn cDNA sequence plant transformation; soybean cDNA sequence plant transformation; wheat cDNA sequence plant transformation
- IT Stress, plant
  - (cold, improved tolerance to; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Stress, plant
  - (heat, improved tolerance to; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Recombination, genetic
  - (homologous, improved rate of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Cell cycle
  - (improved growth rate by manipulation of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Proteins
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (improved production of seed; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Growth regulators, plant
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (improved production of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Fats and Glyceridic oils, biological studies
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (improved production of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Pathogen
  - (improved tolerance to; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Carbohydrates, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved use and/or uptake of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Disease resistance, plant
  - Growth and development, plant
  - Herbicide resistance
  - Photosynthesis, biological
  - (improvement of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Arabidopsis thaliana
  - Brassica napus
  - Embryophyta
  - Glycine max
  - Protein sequences
  - Transformation, genetic
  - Triticum aestivum
  - Zea mays
  - cDNA sequences
  - (nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)
- IT Proteins
  - cDNA
  - RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT Transcription factors  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT Stress, plant  
 (osmotic, improved tolerance to; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT Stress, plant  
 (water deficiency, improved tolerance to; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

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	778252-21-4	778252-22-5	778252-23-6	778252-24-7	778252-25-8
	778252-26-9	778252-27-0	778252-28-1	778252-29-2	778252-30-5
	778252-31-6	778252-32-7	778252-33-8	778252-34-9	778252-35-0

778252-36-1	778252-37-2	778252-38-3	778252-39-4	778252-40-7
778252-41-8	778252-42-9	778252-43-0	778252-44-1	778252-45-2
778252-46-3	778252-47-4	778252-48-5	778252-49-6	778252-50-9
778252-51-0	778252-52-1	778252-53-2	778252-54-3	778252-55-4
778252-56-5	778252-57-6	778252-58-7	778252-59-8	778252-60-1
778252-61-2	778252-62-3	778252-63-4	778252-64-5	778252-65-6
778252-66-7	778252-67-8	778252-68-9	778252-69-0	778252-70-3
778252-71-4	778252-72-5	778252-73-6	778252-74-7	778252-75-8
778252-76-9	778252-77-0	778252-78-1	778252-79-2	778252-80-5
778252-81-6	778252-82-7	778252-83-8	778252-84-9	778252-85-0
778252-86-1	778252-87-2	778252-88-3	778252-89-4	778252-90-7
778252-91-8	778252-92-9	778252-93-0	778252-94-1	778252-95-2
778252-96-3	778252-97-4	778252-98-5	778252-99-6	778253-00-2
778253-01-3	778253-02-4	778253-03-5	778253-04-6	778253-05-7
778253-06-8	778253-07-9	778253-08-0	778253-09-1	778253-10-4
778253-11-5	778253-12-6	778253-13-7	778253-14-8	778253-15-9
778253-16-0	778253-17-1	778253-18-2	778253-19-3	778253-20-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778253-21-7	778253-22-8	778253-23-9	778253-24-0	778253-25-1
	778253-26-2	778253-27-3	778253-28-4	778253-29-5	778253-30-8
	778253-31-9	778253-32-0	778253-33-1	778253-34-2	778253-35-3
	778253-36-4	778253-37-5	778253-38-6	778253-39-7	778253-40-0
	778253-41-1	778253-42-2	778253-43-3	778253-44-4	778253-45-5
	778253-46-6	778253-47-7	778253-48-8	778253-49-9	778253-50-2
	778253-51-3	778253-52-4	778253-53-5	778253-54-6	778253-55-7
	778253-56-8	778253-57-9	778253-58-0	778253-59-1	778253-60-4
	778253-61-5	778253-62-6	778253-63-7	778253-64-8	778253-65-9
	778253-66-0	778253-67-1	778253-68-2	778253-69-3	778253-70-6
	778253-71-7	778253-72-8	778253-73-9	778253-74-0	778253-75-1
	778253-76-2	778253-77-3	778253-78-4	778253-79-5	778253-80-8
	778253-81-9	778253-82-0	778253-83-1	778253-84-2	778253-85-3
	778253-86-4	778253-87-5	778253-88-6	778253-89-7	778253-90-0
	778253-91-1	778253-92-2	778253-93-3	778253-94-4	778253-95-5
	778253-96-6	778253-97-7	778253-98-8	778253-99-9	778254-00-5
	778254-01-6	778254-02-7	778254-03-8	778254-04-9	778254-05-0
	778254-06-1	778254-07-2	778254-08-3	778254-09-4	778254-10-7
	778254-11-8	778254-12-9	778254-13-0	778254-14-1	778254-15-2
	778254-16-3	778254-17-4	778254-18-5	778254-19-6	778254-20-9
	778254-21-0	778254-22-1	778254-23-2	778254-24-3	778254-25-4
	778254-26-5	778254-27-6	778254-28-7	778254-29-8	778254-30-1
	778254-31-2	778254-32-3	778254-33-4	778254-34-5	778254-35-6
	778254-36-7	778254-37-8	778254-38-9	778254-39-0	778254-40-3
	778254-41-4	778254-42-5	778254-43-6	778254-44-7	778254-45-8
	778254-46-9	778254-47-0	778254-48-1	778254-49-2	778254-50-5
	778254-51-6	778254-52-7	778254-53-8	778254-54-9	778254-55-0
	778254-56-1	778254-57-2	778254-58-3	778254-59-4	778254-60-7
	778254-61-8	778254-62-9	778254-63-0	778254-64-1	778254-65-2
	778254-66-3	778254-67-4	778254-68-5	778254-69-6	778254-70-9
	778254-71-0	778254-72-1	778254-73-2	778254-74-3	778254-75-4
	778254-76-5	778254-77-6	778254-78-7	778254-79-8	778254-80-1
	778254-81-2	778254-82-3	778254-83-4	778254-84-5	778254-85-6
	778254-86-7	778254-87-8	778254-88-9	778254-89-0	778254-90-3
	778254-91-4	778254-92-5	778254-93-6	778254-94-7	778254-95-8
	778254-96-9	778254-97-0	778254-98-1	778254-99-2	778255-00-8
	778255-01-9	778255-02-0	778255-03-1	778255-04-2	778255-05-3
	778255-06-4	778255-07-5	778255-08-6	778255-09-7	778255-10-0
	778255-11-1	778255-12-2	778255-13-3	778255-14-4	778255-15-5
	778255-16-6	778255-17-7	778255-18-8	778255-19-9	778255-20-2
	778255-21-3	778255-22-4	778255-23-5	778255-24-6	778255-25-7
	778255-26-8	778255-27-9	778255-28-0	778255-29-1	778255-30-4
	778255-31-5	778255-32-6	778255-33-7	778255-34-8	778255-35-9
	778255-36-0	778255-37-1	778255-38-2	778255-39-3	778255-40-6
	778255-41-7	778255-42-8	778255-43-9	778255-44-0	778255-45-1

778255-46-2 778255-47-3 778255-48-4 778255-49-5 778255-50-8  
 778255-51-9 778255-52-0 778255-53-1 778255-54-2 778255-55-3  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

IT	778255-56-4	778255-57-5	778255-58-6	778255-59-7	778255-60-0
	778255-61-1	778255-62-2	778255-63-3	778255-64-4	778255-65-5
	778255-66-6	778255-67-7	778255-68-8	778255-69-9	778255-70-2
	778255-71-3	778255-72-4	778255-73-5	778255-74-6	778255-75-7
	778255-76-8	778255-77-9	778255-78-0	778255-79-1	778255-80-4
	778255-81-5	778255-82-6	778255-83-7	778255-84-8	778255-85-9
	778255-86-0	778255-87-1	778255-88-2	778255-89-3	778255-90-6
	778255-91-7	778255-92-8	778255-93-9	778255-94-0	778255-95-1
	778255-96-2	778255-97-3	778255-98-4	778255-99-5	778256-00-1
	778256-01-2	778256-02-3	778256-03-4	778256-04-5	778256-05-6
	778256-06-7	778256-07-8	778256-08-9	778256-09-0	778256-10-3
	778256-11-4	778256-12-5	778256-13-6	778256-14-7	778256-15-8
	778256-16-9	778256-17-0	778256-18-1	778256-19-2	778256-20-5
	778256-21-6	778256-22-7	778256-23-8	778256-24-9	778256-25-0
	778256-26-1	778256-27-2	778256-28-3	778256-29-4	778256-30-7
	778256-31-8	778256-32-9	778256-33-0	778256-34-1	778256-35-2
	778256-36-3	778256-37-4	778256-38-5	778256-39-6	778256-40-9
	778256-41-0	778256-42-1	778256-43-2	778256-44-3	778256-45-4
	778256-46-5	778256-47-6	778256-48-7	778256-49-8	778256-50-1
	778256-51-2	778256-52-3	778256-53-4	778256-54-5	778256-55-6
	778256-56-7	778256-57-8	778256-58-9	778256-59-0	778256-60-3
	778256-61-4	778256-62-5	778256-63-6	778256-64-7	778256-65-8
	778256-66-9	778256-67-0	778256-68-1	778256-69-2	778256-70-5
	778256-71-6	778256-72-7	778256-73-8	778256-74-9	778256-75-0
	778256-76-1	778256-77-2	778256-78-3	778256-79-4	778256-80-7
	778256-81-8	778256-82-9	778256-83-0	778256-84-1	778256-85-2
	778256-86-3	778256-87-4	778256-88-5	778256-89-6	778256-90-9
	778256-91-0	778256-92-1	778256-93-2	778256-94-3	778256-95-4
	778256-96-5	778256-97-6	778256-98-7	778256-99-8	778257-00-4
	778257-01-5	778257-02-6	778257-03-7	778257-04-8	778257-05-9
	778257-06-0	778257-07-1	778257-08-2	778257-09-3	778257-10-6
	778257-11-7	778257-12-8	778257-13-9	778257-14-0	778257-15-1
	778257-16-2	778257-17-3	778257-18-4	778257-19-5	778257-20-8
	778257-21-9	778257-22-0	778257-23-1	778257-24-2	778257-25-3
	778257-26-4	778257-27-5	778257-28-6	778257-29-7	778257-30-0
	778257-31-1	778257-32-2	778257-33-3	778257-34-4	778257-35-5
	778257-36-6	778257-37-7	778257-38-8	778257-39-9	778257-40-2
	778257-41-3	778257-42-4	778257-43-5	778257-44-6	778257-45-7
	778257-46-8	778257-47-9	778257-48-0	778257-49-1	778257-50-4
	778257-51-5	778257-52-6	778257-53-7	778257-54-8	778257-55-9
	778257-56-0	778257-57-1	778257-58-2	778257-59-3	778257-60-6
	778257-61-7	778257-62-8	778257-63-9	778257-64-0	778257-65-1
	778257-66-2	778257-67-3	778257-68-4	778257-69-5	778257-70-8
	778257-71-9	778257-72-0	778257-73-1	778257-74-2	778257-75-3
	778257-76-4	778257-77-5	778257-78-6	778257-79-7	778257-80-0
	778257-81-1	778257-82-2	778257-83-3	778257-84-4	778257-85-5
	778257-86-6	778257-87-7	778257-88-8	778257-89-9	778257-90-2

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

IT	778257-91-3	778257-92-4	778257-93-5	778257-94-6	778257-95-7
	778257-96-8	778257-97-9	778257-98-0	778257-99-1	778258-00-7
	778258-01-8	778258-02-9	778258-03-0	778258-04-1	778258-05-2
	778258-06-3	778258-07-4	778258-08-5	778258-09-6	778258-10-9
	778258-11-0	778258-12-1	778258-13-2	778258-14-3	778258-15-4
	778258-16-5	778258-17-6	778258-18-7	778258-19-8	778258-20-1
	778258-21-2	778258-22-3	778258-23-4	778258-24-5	778258-25-6
	778258-26-7	778258-27-8	778258-28-9	778258-29-0	778258-30-3
	778258-31-4	778258-32-5	778258-33-6	778258-34-7	778258-35-8

778258-36-9	778258-37-0	778258-38-1	778258-39-2	778258-40-5
778258-41-6	778258-42-7	778258-43-8	778258-44-9	778258-45-0
778258-46-1	778258-47-2	778258-48-3	778258-49-4	778258-50-7
778258-51-8	778258-52-9	778258-53-0	778258-54-1	778258-55-2
778258-56-3	778258-57-4	778258-58-5	778258-59-6	778258-60-9
778258-61-0	778258-62-1	778258-63-2	778258-64-3	778258-65-4
778258-66-5	778258-67-6	778258-68-7	778258-69-8	778258-70-1
778258-71-2	778258-72-3	778258-73-4	778258-74-5	778258-75-6
778258-76-7	778258-77-8	778258-78-9	778258-79-0	778258-80-3
778258-81-4	778258-82-5	778258-83-6	778258-84-7	778258-85-8
778258-86-9	778258-87-0	778258-88-1	778258-89-2	778258-90-5
778258-91-6	778258-92-7	778258-93-8	778258-94-9	778258-95-0
778258-96-1	778258-97-2	778258-98-3	778258-99-4	778259-00-0
778259-01-1	778259-02-2	778259-03-3	778259-04-4	778259-05-5
778259-06-6	778259-07-7	778259-08-8	778259-09-9	778259-10-2
778259-11-3	778259-12-4	778259-13-5	778259-14-6	778259-15-7
778259-16-8	778259-17-9	778259-18-0	778259-19-1	778259-20-4
778259-21-5	778259-22-6	778259-23-7	778259-24-8	778259-25-9
778259-26-0	778259-27-1	778259-28-2	778259-29-3	778259-30-6
778259-31-7	778259-32-8	778259-33-9	778259-34-0	778259-35-1
778259-36-2	778259-37-3	778259-38-4	778259-39-5	778259-40-8
778259-41-9	778259-42-0	778259-43-1	778259-44-2	778259-45-3
778259-46-4	778259-47-5	778259-48-6	778259-49-7	778259-50-0
778259-51-1	778259-52-2	778259-53-3	778259-54-4	778259-55-5
778259-56-6	778259-57-7	778259-58-8	778259-59-9	778259-60-2
778259-61-3	778259-62-4	778259-63-5	778259-64-6	778259-65-7
778259-66-8	778259-67-9	778259-68-0	778259-69-1	778259-70-4
778259-71-5	778259-72-6	778259-73-7	778259-74-8	778259-75-9
778259-76-0	778259-77-1	778259-78-2	778259-79-3	778259-80-6
778259-81-7	778259-82-8	778259-83-9	778259-84-0	778259-85-1
778259-86-2	778259-87-3	778259-88-4	778259-89-5	778259-90-8
778259-91-9	778259-92-0	778259-93-1	778259-94-2	778259-95-3
778259-96-4	778259-97-5	778259-98-6	778259-99-7	778260-00-7
778260-01-8	778260-02-9	778260-03-0	778260-04-1	778260-05-2
778260-06-3	778260-07-4	778260-08-5	778260-09-6	778260-10-9
778260-11-0	778260-12-1	778260-13-2	778260-14-3	778260-15-4
778260-16-5	778260-17-6	778260-18-7	778260-19-8	778260-20-1
778260-21-2	778260-22-3	778260-23-4	778260-24-5	778260-25-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

IT	778260-26-7	778260-27-8	778260-28-9	778260-29-0	778260-30-3
	778260-31-4	778260-32-5	778260-33-6	778260-34-7	778260-35-8
	778260-36-9	778260-37-0	778260-38-1	778260-39-2	778260-40-5
	778260-41-6	778260-42-7	778260-43-8	778260-44-9	778260-45-0
	778260-46-1	778260-47-2	778260-48-3	778260-49-4	778260-50-7
	778260-51-8	778260-52-9	778260-53-0	778260-54-1	778260-55-2
	778260-56-3	778260-57-4	778260-58-5	778260-59-6	778260-60-9
	778260-61-0	778260-62-1	778260-63-2	778260-64-3	778260-65-4
	778260-66-5	778260-67-6	778260-68-7	778260-69-8	778260-70-1
	778260-71-2	778260-72-3	778260-73-4	778260-74-5	778260-75-6
	778260-76-7	778260-77-8	778260-78-9	778260-79-0	778260-80-3
	778260-81-4	778260-82-5	778260-83-6	778260-84-7	778260-85-8
	778260-86-9	778260-87-0	778260-88-1	778260-89-2	778260-90-5
	778260-91-6	778260-92-7	778260-93-8	778260-94-9	778260-95-0
	778260-96-1	778260-97-2	778260-98-3	778260-99-4	778261-00-0
	778261-01-1	778261-02-2	778261-03-3	778261-04-4	778261-05-5
	778261-06-6	778261-07-7	778261-08-8	778261-09-9	778261-10-2
	778261-11-3	778261-12-4	778261-13-5	778261-14-6	778261-15-7
	778261-16-8	778261-17-9	778261-18-0	778261-19-1	778261-20-4
	778261-21-5	778261-22-6	778261-23-7	778261-24-8	778261-25-9
	778261-26-0	778261-27-1	778261-28-2	778261-29-3	778261-30-6
	778261-31-7	778261-32-8	778261-33-9	778261-34-0	778261-35-1
	778261-36-2	778261-37-3	778261-38-4	778261-39-5	778261-40-8
	778261-41-9	778261-42-0	778261-43-1	778261-44-2	778261-45-3

778261-46-4	778261-47-5	778261-48-6	778261-49-7	778261-50-0
778261-51-1	778261-52-2	778261-53-3	778261-54-4	778261-55-5
778261-56-6	778261-57-7	778261-58-8	778261-59-9	778261-60-2
778261-61-3	778261-62-4	778261-63-5	778261-64-6	778261-65-7
778261-66-8	778261-67-9	778261-68-0	778261-69-1	778261-70-4
778261-71-5	778261-72-6	778261-73-7	778261-74-8	778261-75-9
778261-76-0	778261-77-1	778261-78-2	778261-79-3	778261-80-6
778261-81-7	778261-82-8	778261-83-9	778261-84-0	778261-85-1
778261-86-2	778261-87-3	778261-88-4	778261-89-5	778261-90-8
778261-91-9	778261-92-0	778261-93-1	778261-94-2	778261-95-
3	778261-96-4	778261-97-5	778261-98-6	778261-99-7
778262-01-4	778262-02-5	778262-03-6	778262-04-7	778262-05-8
778262-06-9	778262-07-0	778262-08-1	778262-09-2	778262-10-5
778262-11-6	778262-12-7	778262-13-8	778262-14-9	778262-15-0
778262-16-1	778262-17-2	778262-18-3	778262-19-4	778262-20-7
778262-21-8	778262-22-9	778262-23-0	778262-24-1	778262-25-2
778262-26-3	778262-27-4	778262-28-5	778262-29-6	778262-30-9
778262-31-0	778262-32-1	778262-33-2	778262-34-3	778262-35-4
778262-36-5	778262-37-6	778262-38-7	778262-39-8	778262-40-1
778262-41-2	778262-42-3	778262-43-4	778262-44-5	778262-45-6
778262-46-7	778262-47-8	778262-48-9	778262-49-0	778262-50-3
778262-51-4	778262-52-5	778262-53-6	778262-54-7	778262-55-8
778262-56-9	778262-57-0	778262-58-1	778262-59-2	778262-60-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778262-61-6	778262-62-7	778262-63-8	778262-64-9	778262-65-0
	778262-66-1	778262-67-2	778262-68-3	778262-69-4	778262-70-7
	778262-71-8	778262-72-9	778262-73-0	778262-74-1	778262-75-2
	778262-76-3	778262-77-4	778262-78-5	778262-79-6	778262-80-9
	778262-81-0	778262-82-1	778262-83-2	778262-84-3	778262-85-4
	778262-86-5	778262-87-6	778262-88-7	778262-89-8	778262-90-1
	778262-91-2	778262-92-3	778262-93-4	778262-94-5	778262-95-6
	778262-96-7	778262-97-8	778262-98-9	778262-99-0	778263-00-6
	778263-01-7	778263-02-8	778263-03-9	778263-04-0	778263-05-1
	778263-06-2	778263-07-3	778263-08-4	778263-09-5	778263-10-8
	778263-11-9	778263-12-0	778263-13-1	778263-14-2	778263-15-3
	778263-16-4	778263-17-5	778263-18-6	778263-19-7	778263-20-0
	778263-21-1	778263-22-2	778263-23-3	778263-24-4	778263-25-5
	778263-26-6	778263-27-7	778263-28-8	778263-29-9	778263-30-2
	778263-31-3	778263-32-4	778263-33-5	778263-34-6	778263-35-7
	778263-36-8	778263-37-9	778263-38-0	778263-39-1	778263-40-4
	778263-41-5	778263-42-6	778263-43-7	778263-44-8	778263-45-9
	778263-46-0	778263-47-1	778263-48-2	778263-49-3	778263-50-6
	778263-51-7	778263-52-8	778263-53-9	778263-54-0	778263-55-1
	778263-56-2	778263-57-3	778263-58-4	778263-59-5	778263-60-8
	778263-61-9	778263-62-0	778263-63-1	778263-64-2	778263-65-3
	778263-66-4	778263-67-5	778263-68-6	778263-69-7	778263-70-0
	778263-71-1	778263-72-2	778263-73-3	778263-74-4	778263-75-5
	778263-76-6	778263-77-7	778263-78-8	778263-79-9	778263-80-2
	778263-81-3	778263-82-4	778263-83-5	778263-84-6	778263-85-7
	778263-86-8	778263-87-9	778263-88-0	778263-89-1	778263-90-4
	778263-91-5	778263-92-6	778263-93-7	778263-94-8	778263-95-9
	778263-96-0	778263-97-1	778263-98-2	778263-99-3	778264-00-9
	778264-01-0	778264-02-1	778264-03-2	778264-04-3	778264-05-4
	778264-06-5	778264-07-6	778264-08-7	778264-09-8	778264-10-1
	778264-11-2	778264-12-3	778264-13-4	778264-14-5	778264-15-6
	778264-16-7	778264-17-8	778264-18-9	778264-19-0	778264-20-3
	778264-21-4	778264-22-5	778264-23-6	778264-24-7	778264-25-8
	778264-26-9	778264-27-0	778264-28-1	778264-29-2	778264-30-5
	778264-31-6	778264-32-7	778264-33-8	778264-34-9	778264-35-0
	778264-36-1	778264-37-2	778264-38-3	778264-39-4	778264-40-7
	778264-41-8	778264-42-9	778264-43-0	778264-44-1	778264-45-2
	778264-46-3	778264-47-4	778264-48-5	778264-49-6	778264-50-9
	778264-51-0	778264-52-1	778264-53-2	778264-54-3	778264-55-4

778264-56-5	778264-57-6	778264-58-7	778264-59-8	778264-60-1
778264-61-2	778264-62-3	778264-63-4	778264-64-5	778264-65-6
778264-66-7	778264-67-8	778264-68-9	778264-69-0	778264-70-3
778264-71-4	778264-72-5	778264-73-6	778264-74-7	778264-75-8
778264-76-9	778264-77-0	778264-78-1	778264-79-2	778264-80-5
778264-81-6	778264-82-7	778264-83-8	778264-84-9	778264-85-0
778264-86-1	778264-87-2	778264-88-3	778264-89-4	778264-90-7
778264-91-8	778264-92-9	778264-93-0	778264-94-1	778264-95-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778264-96-3	778264-97-4	778264-98-5	778264-99-6	778265-00-2
	778265-01-3	778265-02-4	778265-03-5	778265-04-6	778265-05-7
	778265-06-8	778265-07-9	778265-08-0	778265-09-1	778265-10-4
	778265-11-5	778265-12-6	778265-13-7	778265-14-8	778265-15-9
	778265-16-0	778265-17-1	778265-18-2	778265-19-3	778265-20-6
	778265-21-7	778265-22-8	778265-23-9	778265-24-0	778265-25-1
	778265-26-2	778265-27-3	778265-28-4	778265-29-5	778265-30-8
	778265-31-9	778265-32-0	778265-33-1	778265-34-2	778265-35-3
	778265-36-4	778265-37-5	778265-38-6	778265-39-7	778265-40-0
	778265-41-1	778265-42-2	778265-43-3	778265-44-4	778265-45-5
	778265-46-6	778265-47-7	778265-48-8	778265-49-9	778265-50-2
	778265-51-3	778265-52-4	778265-53-5	778265-54-6	778265-55-7
	778265-56-8	778265-57-9	778265-58-0	778265-59-1	778265-60-4
	778265-61-5	778265-62-6	778265-63-7	778265-64-8	778265-65-9
	778265-66-0	778265-67-1	778265-68-2	778265-69-3	778265-70-6
	778265-71-7	778265-72-8	778265-73-9	778265-74-0	778265-75-1
	778265-76-2	778265-77-3	778265-78-4	778265-79-5	778265-80-8
	778265-81-9	778265-82-0	778265-83-1	778265-84-2	778265-85-3
	778265-86-4	778265-87-5	778265-88-6	778265-89-7	778265-90-0
	778265-91-1	778265-92-2	778265-93-3	778265-94-4	778265-95-5
	778265-96-6	778265-97-7	778265-98-8	778265-99-9	778266-00-5
	778266-01-6	778266-02-7	778266-03-8	778266-04-9	778266-05-0
	778266-06-1	778266-07-2	778266-08-3	778266-09-4	778266-10-7
	778266-11-8	778266-12-9	778266-13-0	778266-14-1	778266-15-2
	778266-16-3	778266-17-4	778266-18-5	778266-19-6	778266-20-9
	778266-21-0	778266-22-1	778266-23-2	778266-24-3	778266-25-4
	778266-26-5	778266-27-6	778266-28-7	778266-29-8	778266-30-1
	778266-31-2	778266-32-3	778266-33-4	778266-34-5	778266-35-6
	778266-36-7	778266-37-8	778266-38-9	778266-39-0	778266-40-3
	778266-41-4	778266-42-5	778266-43-6	778266-44-7	778266-45-8
	778266-46-9	778266-47-0	778266-48-1	778266-49-2	778266-50-5
	778266-51-6	778266-52-7	778266-53-8	778266-54-9	778266-55-0
	778266-56-1	778266-57-2	778266-58-3	778266-59-4	778266-60-7
	778266-61-8	778266-62-9	778266-63-0	778266-64-1	778266-65-2
	778266-66-3	778266-67-4	778266-68-5	778266-69-6	778266-70-9
	778266-71-0	778266-72-1	778266-73-2	778266-74-3	778266-75-4
	778266-76-5	778266-77-6	778266-78-7	778266-79-8	
	778266-80-1	778266-81-2	778266-82-3	778266-83-4	778266-84-5
	778266-85-6	778266-86-7	778266-87-8	778266-88-9	778266-89-0
	778266-90-3	778266-91-4	778266-92-5	778266-93-6	778266-94-7
	778266-95-8	778266-96-9	778266-97-0	778266-98-1	778266-99-2
	778267-00-8	778267-01-9	778267-02-0	778267-03-1	778267-04-2
	778267-05-3	778267-06-4	778267-07-5	778267-08-6	778267-09-7
	778267-10-0	778267-11-1	778267-12-2	778267-13-3	778267-14-4
	778267-15-5	778267-16-6	778267-17-7	778267-18-8	778267-19-9
	778267-20-2	778267-21-3	778267-22-4	778267-23-5	778267-24-6
	778267-25-7	778267-26-8	778267-27-9	778267-28-0	778267-29-1
	778267-30-4				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778267-31-5	778267-32-6	778267-33-7	778267-34-8	778267-35-9
	778267-36-0	778267-37-1	778267-38-2	778267-39-3	778267-40-6

778267-41-7	778267-42-8	778267-43-9	778267-44-0	778267-45-1
778267-46-2	778267-47-3	778267-48-4	778267-49-5	778267-50-8
778267-51-9	778267-52-0	778267-53-1	778267-54-2	778267-55-3
778267-56-4	778267-57-5	778267-58-6	778267-59-7	778267-60-0
778267-61-1	778267-62-2	778267-63-3	778267-64-4	778267-65-5
778267-66-6	778267-67-7	778267-68-8	778267-69-9	778267-70-2
778267-71-3	778267-72-4	778267-73-5	778267-74-6	778267-75-7
778267-76-8	778267-77-9	778267-78-0	778267-79-1	778267-80-4
778267-81-5	778267-82-6	778267-83-7	778267-84-8	778267-85-9
778267-86-0	778267-87-1	778267-88-2	778267-89-3	778267-90-6
778267-91-7	778267-92-8	778267-93-9	778267-94-0	778267-95-1
778267-96-2	778267-97-3	778267-98-4	778267-99-5	778268-00-1
778268-01-2	778268-02-3	778268-03-4	778268-04-5	778268-05-6
778268-06-7	778268-07-8	778268-08-9	778268-09-0	778268-10-3
778268-11-4	778268-12-5	778268-13-6	778268-14-7	778268-15-8
778268-16-9	778268-17-0	778268-18-1	778268-19-2	778268-20-5
778268-21-6	778268-22-7	778268-23-8	778268-24-9	778268-25-0
778268-26-1	778268-27-2	778268-28-3	778268-29-4	778268-30-7
778268-31-8	778268-32-9	778268-33-0	778268-34-1	778268-35-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)

(improved production of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT 778228-37-8	778228-38-9	778228-39-0	778228-40-3	778228-41-4
778228-42-5	778228-43-6	778228-44-7	778228-45-8	778228-46-9
778228-47-0	778228-48-1	778228-49-2	778228-50-5	778228-51-6
778228-52-7	778228-53-8	778228-54-9	778228-55-0	778228-56-1
778228-57-2	778228-58-3	778228-59-4	778228-60-7	778228-61-8
778228-62-9	778228-63-0	778228-64-1	778228-65-2	778228-66-3
778228-67-4	778228-68-5	778228-69-6	778228-70-9	778228-71-0
778228-72-1	778228-73-2	778228-74-3	778228-75-4	778228-76-5
778228-77-6	778228-78-7	778228-79-8	778228-80-1	778228-81-2
778228-82-3	778228-83-4	778228-84-5	778228-85-6	778228-86-7
778228-87-8	778228-88-9	778228-89-0	778228-90-3	778228-91-4
778228-92-5	778228-93-6	778228-94-7	778228-95-8	778228-96-9
778228-97-0	778228-98-1	778228-99-2	778229-00-8	778229-01-9
778229-02-0	778229-03-1	778229-04-2	778229-05-3	778229-06-4
778229-07-5	778229-08-6	778229-09-7	778229-10-0	778229-11-1
778229-12-2	778229-13-3	778229-14-4	778229-15-5	778229-16-6
778229-17-7	778229-18-8	778229-19-9	778229-20-2	778229-21-3
778229-22-4	778229-23-5	778229-24-6	778229-25-7	778229-26-8
778229-27-9	778229-28-0	778229-29-1	778229-30-4	778229-31-5
778229-32-6	778229-33-7	778229-34-8	778229-35-9	778229-36-0
778229-37-1	778229-38-2	778229-39-3	778229-40-6	778229-41-7
778229-42-8	778229-43-9	778229-44-0	778229-45-1	778229-46-2
778229-47-3	778229-48-4	778229-49-5	778229-50-8	778229-51-9
778229-52-0	778229-53-1	778229-54-2	778229-55-3	778229-56-4
778229-57-5	778229-58-6	778229-59-7	778229-60-0	778229-61-1
778229-62-2	778229-63-3	778229-64-4	778229-65-5	778229-66-6
778229-67-7	778229-68-8	778229-69-9	778229-70-2	778229-71-3
778229-72-4	778229-73-5	778229-74-6	778229-75-7	778229-76-8
778229-77-9	778229-78-0	778229-79-1	778229-80-4	778229-81-5
778229-82-6	778229-83-7	778229-84-8	778229-85-9	778229-86-0
778229-87-1	778229-88-2	778229-89-3	778229-90-6	778229-91-7
778229-92-8	778229-93-9	778229-94-0	778229-95-1	778229-96-2
778229-97-3	778229-98-4	778229-99-5	778230-00-5	778230-01-6

778230-02-7	778230-03-8	778230-04-9	778230-05-0	778230-06-1
778230-07-2	778230-08-3	778230-09-4	778230-10-7	778230-11-8
778230-12-9	778230-13-0	778230-14-1	778230-15-2	778230-16-3
778230-17-4	778230-18-5	778230-19-6	778230-20-9	778230-21-0
778230-22-1	778230-23-2	778230-24-3	778230-25-4	778230-26-5
778230-27-6	778230-28-7	778230-29-8	778230-30-1	778230-31-2
778230-32-3	778230-33-4	778230-34-5	778230-35-6	778230-36-7
778230-37-8	778230-38-9	778230-39-0	778230-40-3	778230-41-4
778230-42-5	778230-43-6	778230-44-7	778230-45-8	778230-46-9
778230-47-0	778230-48-1	778230-49-2	778230-50-5	778230-51-6
778230-52-7	778230-53-8	778230-54-9	778230-55-0	778230-56-1
778230-57-2	778230-58-3	778230-59-4	778230-60-7	778230-61-8
778230-62-9	778230-63-0	778230-64-1	778230-65-2	778230-66-3
778230-67-4	778230-68-5	778230-69-6	778230-70-9	778230-71-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778230-72-1	778230-73-2	778230-74-3	778230-75-4	778230-76-5
	778230-77-6	778230-78-7	778230-79-8	778230-80-1	778230-81-2
	778230-82-3	778230-83-4	778230-84-5	778230-85-6	778230-86-7
	778230-87-8	778230-88-9	778230-89-0	778230-90-3	778230-91-4
	778230-92-5	778230-93-6	778230-94-7	778230-95-8	778230-96-9
	778230-97-0	778230-98-1	778230-99-2	778231-00-8	778231-01-9
	778231-02-0	778231-03-1	778231-04-2	778231-05-3	778231-06-4
	778231-07-5	778231-08-6	778231-09-7	778231-10-0	778231-11-1
	778231-12-2	778231-13-3	778231-14-4	778231-15-5	778231-16-6
	778231-17-7	778231-18-8	778231-19-9	778231-20-2	778231-21-3
	778231-22-4	778231-23-5	778231-24-6	778231-25-7	778231-26-8
	778231-27-9	778231-28-0	778231-29-1	778231-30-4	778231-31-5
	778231-32-6	778231-33-7	778231-34-8	778231-35-9	778231-36-0
	778231-37-1	778231-38-2	778231-39-3	778231-40-6	778231-41-7
	778231-42-8	778231-43-9	778231-44-0	778231-45-1	778231-46-2
	778231-47-3	778231-48-4	778231-49-5	778231-50-8	778231-51-9
	778231-52-0	778231-53-1	778231-54-2	778231-55-3	778231-56-4
	778231-57-5	778231-58-6	778231-59-7	778231-60-0	778231-61-1
	778231-62-2	778231-63-3	778231-64-4	778231-65-5	778231-66-6
	778231-67-7	778231-68-8	778231-69-9	778231-70-2	778231-71-3
	778231-72-4	778231-73-5	778231-74-6	778231-75-7	778231-76-8
	778231-77-9	778231-78-0	778231-79-1	778231-80-4	778231-81-5
	778231-82-6	778231-83-7	778231-84-8	778231-85-9	778231-86-0
	778231-87-1	778231-88-2	778231-89-3	778231-90-6	778231-91-7
	778231-92-8	778231-93-9	778231-94-0	778231-95-1	778231-96-2
	778231-97-3	778231-98-4	778231-99-5	778232-00-1	778232-01-2
	778232-02-3	778232-03-4	778232-04-5	778232-05-6	778232-06-7
	778232-07-8	778232-08-9	778232-09-0	778232-10-3	778232-11-4
	778232-12-5	778232-13-6	778232-14-7	778232-15-8	778232-16-9
	778232-17-0	778232-18-1	778232-19-2	778232-20-5	778232-21-6
	778232-22-7	778232-23-8	778232-24-9	778232-25-0	778232-26-1
	778232-27-2	778232-28-3	778232-29-4	778232-30-7	778232-31-8
	778232-32-9	778232-33-0	778232-34-1	778232-35-2	778232-36-3
	778232-37-4	778232-38-5	778232-39-6	778232-40-9	778232-41-0
	778232-42-1	778232-43-2	778232-44-3	778232-45-4	778232-46-5
	778232-47-6	778232-48-7	778232-49-8	778232-50-1	778232-51-2
	778232-52-3	778232-53-4	778232-54-5	778232-55-6	778232-56-7
	778232-57-8	778232-58-9	778232-59-0	778232-60-3	778232-61-4
	778232-62-5	778232-63-6	778232-64-7	778232-65-8	778232-66-9
	778232-67-0	778232-68-1	778232-69-2	778232-70-5	778232-71-6
	778232-72-7	778232-73-8	778232-74-9	778232-75-0	778232-76-1
	778232-77-2	778232-78-3	778232-79-4	778232-80-7	778232-81-8
	778232-82-9	778232-83-0	778232-84-1	778232-85-2	778232-86-3
	778232-87-4	778232-88-5	778232-89-6	778232-90-9	778232-91-0
	778232-92-1	778232-93-2	778232-94-3	778232-95-4	778232-96-5
	778232-97-6	778232-98-7	778232-99-8	778233-00-4	778233-01-5
	778233-02-6	778233-03-7	778233-04-8	778233-05-9	778233-06-0

RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

IT	778233-07-1	778233-08-2	778233-09-3	778233-10-6	778233-11-7
	778233-12-8	778233-13-9	778233-14-0	778233-15-1	778233-16-2
	778233-17-3	778233-18-4	778233-19-5	778233-20-8	778233-21-9
	778233-22-0	778233-23-1	778233-24-2	778233-25-3	778233-26-4
	778233-27-5	778233-28-6	778233-29-7	778233-30-0	778233-31-1
	778233-32-2	778233-33-3	778233-34-4	778233-35-5	778233-36-6
	778233-37-7	778233-38-8	778233-39-9	778233-40-2	778233-41-3
	778233-42-4	778233-43-5	778233-44-6	778233-45-7	778233-46-8
	778233-47-9	778233-48-0	778233-49-1	778233-50-4	778233-51-5
	778233-52-6	778233-53-7	778233-54-8	778233-55-9	778233-56-0
	778233-57-1	778233-58-2	778233-59-3	778233-60-6	778233-61-7
	778233-62-8	778233-63-9	778233-64-0	778233-65-1	778233-66-2
	778233-67-3	778233-68-4	778233-69-5	778233-70-8	778233-71-9
	778233-72-0	778233-73-1	778233-74-2	778233-75-3	778233-76-4
	778233-77-5	778233-78-6	778233-79-7	778233-80-0	778233-81-1
	778233-82-2	778233-83-3	778233-84-4	778233-85-5	778233-86-6
	778233-87-7	778233-88-8	778233-89-9	778233-90-2	778233-91-3
	778233-92-4	778233-93-5	778233-94-6	778233-95-7	778233-96-8
	778233-97-9	778233-98-0	778233-99-1	778234-00-7	778234-01-8
	778234-02-9	778234-03-0	778234-04-1	778234-05-2	778234-06-3
	778234-07-4	778234-08-5	778234-09-6	778234-10-9	778234-11-0
	778234-12-1	778234-13-2	778234-14-3	778234-15-4	778234-16-5
	778234-17-6	778234-18-7	778234-19-8	778234-20-1	778234-21-2
	778234-22-3	778234-23-4	778234-24-5	778234-25-6	778234-26-7
	778234-27-8	778234-28-9	778234-29-0	778234-30-3	778234-31-4
	778234-32-5	778234-33-6	778234-34-7	778234-35-8	778234-36-9
	778234-37-0	778234-38-1	778234-39-2	778234-40-5	778234-41-6
	778234-42-7	778234-43-8	778234-44-9	778234-45-0	778234-46-1
	778234-47-2	778234-48-3	778234-49-4	778234-50-7	778234-51-8
	778234-52-9	778234-53-0	778234-54-1	778234-55-2	778234-56-3
	778234-57-4	778234-58-5	778234-59-6	778234-60-9	778234-61-0
	778234-62-1	778234-63-2	778234-64-3	778234-65-4	778234-66-5
	778234-67-6	778234-68-7	778234-69-8	778234-70-1	778234-71-2
	778234-72-3	778234-73-4	778234-74-5	778234-75-6	778234-76-7
	778234-77-8	778234-78-9	778234-79-0	778234-80-3	778234-81-4
	778234-82-5	778234-83-6	778234-84-7	778234-85-8	778234-86-9
	778234-87-0	778234-88-1	778234-89-2	778234-90-5	778234-91-6
	778234-92-7	778234-93-8	778234-94-9	778234-95-0	778234-96-1
	778234-97-2	778234-98-3	778234-99-4	778235-00-0	778235-01-1
	778235-02-2	778235-03-3	778235-04-4	778235-05-5	778235-06-6
	778235-07-7	778235-08-8	778235-09-9	778235-10-2	778235-11-3
	778235-12-4	778235-13-5	778235-14-6	778235-15-7	778235-16-8
	778235-17-9	778235-18-0	778235-19-1	778235-20-4	778235-21-5
	778235-22-6	778235-23-7	778235-24-8	778235-25-9	778235-26-0
	778235-27-1	778235-28-2	778235-29-3	778235-30-6	778235-31-7
	778235-32-8	778235-33-9	778235-34-0	778235-35-1	778235-36-2
	778235-37-3	778235-38-4	778235-39-5	778235-40-8	778235-41-9

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; nucleic acid mols. and encoded proteins associated  
 with plants and their uses for plant improvement)

IT	778235-42-0	778235-43-1	778235-44-2	778235-45-3	778235-46-4
	778235-47-5	778235-48-6	778235-49-7	778235-50-0	778235-51-1
	778235-52-2	778235-53-3	778235-54-4	778235-55-5	778235-56-6
	778235-57-7	778235-58-8	778235-59-9	778235-60-2	778235-61-3
	778235-62-4	778235-63-5	778235-64-6	778235-65-7	778235-66-8
	778235-67-9	778235-68-0	778235-69-1	778235-70-4	778235-71-5
	778235-72-6	778235-73-7	778235-74-8	778235-75-9	778235-76-0
	778235-77-1	778235-78-2	778235-79-3	778235-80-6	778235-81-7
	778235-82-8	778235-83-9	778235-84-0	778235-85-1	778235-86-2
	778235-87-3	778235-88-4	778235-89-5	778235-90-8	778235-91-9
	778235-92-0	778235-93-1	778235-94-2	778235-95-3	778235-96-4
	778235-97-5	778235-98-6	778235-99-7	778236-00-3	778236-01-4

778236-02-5	778236-03-6	778236-04-7	778236-05-8	778236-06-9
778236-07-0	778236-08-1	778236-09-2	778236-10-5	778236-11-6
778236-12-7	778236-13-8	778236-14-9	778236-15-0	778236-16-1
778236-17-2	778236-18-3	778236-19-4	778236-20-7	778236-21-8
778236-22-9	778236-23-0	778236-24-1	778236-25-2	778236-26-3
778236-27-4	778236-28-5	778236-29-6	778236-30-9	778236-31-0
778236-32-1	778236-33-2	778236-34-3	778236-35-4	778236-36-5
778236-37-6	778236-38-7	778236-39-8	778236-40-1	778236-41-2
778236-42-3	778236-43-4	778236-44-5	778236-45-6	778236-46-7
778236-47-8	778236-48-9	778236-49-0	778236-50-3	778236-51-4
778236-52-5	778236-53-6	778236-54-7	778236-55-8	778236-56-9
778236-57-0	778236-58-1	778236-59-2	778236-60-5	778236-61-6
778236-62-7	778236-63-8	778236-64-9	778236-65-0	778236-66-1
778236-67-2	778236-68-3	778236-69-4	778236-70-7	778236-71-8
778236-72-9	778236-73-0	778236-74-1	778236-75-2	778236-76-3
778236-77-4	778236-78-5	778236-79-6	778236-80-9	778236-81-0
778236-82-1	778236-83-2	778236-84-3	778236-85-4	778236-86-5
778236-87-6	778236-88-7	778236-89-8	778236-90-1	778236-91-2
778236-92-3	778236-93-4	778236-94-5	778236-95-6	778236-96-7
778236-97-8	778236-98-9	778236-99-0	778237-00-6	778237-01-7
778237-02-8	778237-03-9	778237-04-0	778237-05-1	778237-06-2
778237-07-3	778237-08-4	778237-09-5	778237-10-8	778237-11-9
778237-12-0	778237-13-1	778237-14-2	778237-15-3	778237-16-4
778237-17-5	778237-18-6	778237-19-7	778237-20-0	778237-21-1
778237-22-2	778237-23-3	778237-24-4	778237-25-5	778237-26-6
778237-27-7	778237-28-8	778237-29-9	778237-30-2	778237-31-3
778237-32-4	778237-33-5	778237-34-6	778237-35-7	778237-36-8
778237-37-9	778237-38-0	778237-39-1	778237-40-4	778237-41-5
778237-42-6	778237-43-7	778237-44-8	778237-45-9	778237-46-0
778237-47-1	778237-48-2	778237-49-3	778237-50-6	778237-51-7
778237-52-8	778237-53-9	778237-54-0	778237-55-1	778237-56-2
778237-57-3	778237-58-4	778237-59-5	778237-60-8	778237-61-9
778237-62-0	778237-63-1	778237-64-2	778237-65-3	778237-66-4
778237-67-5	778237-68-6	778237-69-7	778237-70-0	778237-71-1
778237-72-2	778237-73-3	778237-74-4	778237-75-5	778237-76-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778237-77-7	778237-78-8	778237-79-9	778237-80-2	778237-81-3
	778237-82-4	778237-83-5	778237-84-6	778237-85-7	778237-86-8
	778237-87-9	778237-88-0	778237-89-1	778237-90-4	778237-91-5
	778237-92-6	778237-93-7	778237-94-8	778237-95-9	778237-96-0
	778237-97-1	778237-98-2	778237-99-3	778238-00-9	778238-01-0
	778238-02-1	778238-03-2	778238-04-3	778238-05-4	778238-06-5
	778238-07-6	778238-08-7	778238-09-8	778238-10-1	778238-11-2
	778238-12-3	778238-13-4	778238-14-5	778238-15-6	778238-16-7
	778238-17-8	778238-18-9	778238-19-0	778238-20-3	778238-21-4
	778238-22-5	778238-23-6	778238-24-7	778238-25-8	778238-26-9
	778238-27-0	778238-28-1	778238-29-2	778238-30-5	778238-31-6
	778238-32-7	778238-33-8	778238-34-9	778238-35-0	778238-36-1
	778238-37-2	778238-38-3	778238-39-4	778238-40-7	778238-41-8
	778238-42-9	778238-43-0	778238-44-1	778238-45-2	778238-46-3
	778238-47-4	778238-48-5	778238-49-6	778238-50-9	778238-51-0
	778238-52-1	778238-53-2	778238-54-3	778238-55-4	778238-56-5
	778238-57-6	778238-58-7	778238-59-8	778238-60-1	778238-61-2
	778238-62-3	778238-63-4	778238-64-5	778238-65-6	778238-66-7
	778238-67-8	778238-68-9	778238-69-0	778238-70-3	778238-71-4
	778238-72-5	778238-73-6	778238-74-7	778238-75-8	778238-76-9
	778238-77-0	778238-78-1	778238-79-2	778238-80-5	778238-81-6
	778238-82-7	778238-83-8	778238-84-9	778238-85-0	778238-86-1
	778238-87-2	778238-88-3	778238-89-4	778238-90-7	778238-91-8
	778238-92-9	778238-93-0	778238-94-1	778238-95-2	778238-96-3
	778238-97-4	778238-98-5	778238-99-6	778239-00-2	778239-01-3
	778239-02-4	778239-03-5	778239-04-6	778239-05-7	778239-06-8
	778239-07-9	778239-08-0	778239-09-1	778239-10-4	778239-11-5

778239-12-6	778239-13-7	778239-14-8	778239-15-9	778239-16-0
778239-17-1	778239-18-2	778239-19-3	778239-20-6	778239-21-7
778239-22-8	778239-23-9	778239-24-0	778239-25-1	778239-26-2
778239-27-3	778239-28-4	778239-29-5	778239-30-8	778239-31-9
778239-32-0	778239-33-1	778239-34-2	778239-35-3	778239-36-4
778239-37-5	778239-38-6	778239-39-7	778239-40-0	778239-41-1
778239-42-2	778239-43-3	778239-44-4	778239-45-5	778239-46-6
778239-47-7	778239-48-8	778239-49-9	778239-50-2	778239-51-3
778239-52-4	778239-53-5	778239-54-6	778239-55-7	778239-56-8
778239-57-9	778239-58-0	778239-59-1	778239-60-4	778239-61-5
778239-62-6	778239-63-7	778239-64-8	778239-65-9	778239-66-0
778239-67-1	778239-68-2	778239-69-3	778239-70-6	778239-71-7
778239-72-8	778239-73-9	778239-74-0	778239-75-1	778239-76-2
778239-77-3	778239-78-4	778239-79-5	778239-80-8	778239-81-9
778239-82-0	778239-83-1	778239-84-2	778239-85-3	778239-86-4
778239-87-5	778239-88-6	778239-89-7	778239-90-0	778239-91-1
778239-92-2	778239-93-3	778239-94-4	778239-95-5	778239-96-6
778239-97-7	778239-98-8	778239-99-9	778240-00-9	778240-01-0
778240-02-1	778240-03-2	778240-04-3	778240-05-4	778240-06-5
778240-07-6	778240-08-7	778240-09-8	778240-10-1	778240-11-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT	778240-12-3	778240-13-4	778240-14-5	778240-15-6	778240-16-7
	778240-17-8	778240-18-9	778240-19-0	778240-20-3	778240-21-4
	778240-22-5	778240-23-6	778240-24-7	778240-25-8	778240-26-9
	778240-27-0	778240-28-1	778240-29-2	778240-30-5	778240-31-6
	778240-32-7	778240-33-8	778240-34-9	778240-35-0	778240-36-1
	778240-37-2	778240-38-3	778240-39-4	778240-40-7	778240-41-8
	778240-42-9	778240-43-0	778240-44-1	778240-45-2	778240-46-3
	778240-47-4	778240-48-5	778240-49-6	778240-50-9	778240-51-0
	778240-52-1	778240-53-2	778240-54-3	778240-55-4	778240-56-5
	778240-57-6	778240-58-7	778240-59-8	778240-60-1	778240-61-2
	778240-62-3	778240-63-4	778240-64-5	778240-65-6	778240-66-7
	778240-67-8	778240-68-9	778240-69-0	778240-70-3	778240-71-4
	778240-72-5	778240-73-6	778240-74-7	778240-75-8	778240-76-9
	778240-77-0	778240-78-1	778240-79-2	778240-80-5	778240-81-6
	778240-82-7	778240-83-8	778240-84-9	778240-85-0	778240-86-1
	778240-87-2	778240-88-3	778240-89-4	778240-90-7	778240-91-8
	778240-92-9	778240-93-0	778240-94-1	778240-95-2	778240-96-3
	778240-97-4	778240-98-5	778240-99-6	778241-00-2	778241-01-3
	778241-02-4	778241-03-5	778241-04-6	778241-05-7	778241-06-8
	778241-07-9	778241-08-0	778241-09-1	778241-10-4	778241-11-5
	778241-12-6	778241-13-7	778241-14-8	778241-15-9	778241-16-0
	778241-17-1	778241-18-2	778241-19-3	778241-20-6	778241-21-7
	778241-22-8	778241-23-9	778241-24-0	778241-25-1	778241-26-2
	778241-27-3	778241-28-4	778241-29-5	778241-30-8	778241-31-9
	778241-32-0	778241-33-1	778241-34-2	778241-35-3	778241-36-4
	778241-37-5	778241-38-6	778241-39-7	778241-40-0	778241-41-1
	778241-42-2	778241-43-3	778241-44-4	778241-45-5	778241-46-6
	778241-47-7	778241-48-8	778241-49-9	778241-50-2	778241-51-3
	778241-52-4	778241-53-5	778241-54-6	778241-55-7	778241-56-8
	778241-57-9	778241-58-0	778241-59-1	778241-60-4	778241-61-5
	778241-62-6	778241-63-7	778241-64-8	778241-65-9	778241-66-0
	778241-67-1	778241-68-2	778241-69-3	778241-70-6	778241-71-7
	778241-72-8	778241-73-9	778241-74-0	778241-75-1	778241-76-2
	778241-77-3	778241-78-4	778241-79-5	778241-80-8	778241-81-9
	778241-82-0	778241-83-1	778241-84-2	778241-85-3	778241-86-4
	778241-87-5	778241-88-6	778241-89-7	778241-90-0	778241-91-1
	778241-92-2	778241-93-3	778241-94-4	778241-95-5	778241-96-6
	778241-97-7	778241-98-8	778241-99-9	778242-00-5	778242-01-6
	778242-02-7	778242-03-8	778242-04-9	778242-05-0	778242-06-1
	778242-07-2	778242-08-3	778242-09-4	778242-10-7	778242-11-8
	778242-12-9	778242-13-0	778242-14-1	778242-15-2	778242-16-3
	778242-17-4	778242-18-5	778242-19-6	778242-20-9	778242-21-0

778242-22-1 778242-23-2 778242-24-3 778242-25-4 778242-26-5  
 778242-27-6 778242-28-7 778242-29-8 778242-30-1 778242-31-2  
 778242-32-3 778242-33-4 778242-34-5 778242-35-6 778242-36-7  
 778242-37-8 778242-38-9 778242-39-0 778242-40-3 778242-41-4  
 778242-42-5 778242-43-6 778242-44-7 778242-45-8 778242-46-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT 778242-47-0 778242-48-1 778242-49-2 778242-50-5 778242-51-6  
 778242-52-7 778242-53-8 778242-54-9 778242-55-0 778242-56-1  
 778242-57-2 778242-58-3 778242-59-4 778242-60-7 778242-61-8  
 778242-62-9 778242-63-0 778242-64-1 778242-65-2 778242-66-3  
 778242-67-4 778242-68-5 778242-69-6 778242-70-9 778242-71-0  
 778242-72-1 778242-73-2 778242-74-3 778242-75-4 778242-76-5  
 778242-77-6 778242-78-7 778242-79-8 778242-80-1 778242-81-2  
 778242-82-3 778242-83-4 778242-84-5 778242-85-6 778242-86-7  
 778242-87-8 778242-88-9 778242-89-0 778242-90-3 778242-91-4  
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 778243-12-2 778243-13-3 778243-14-4 778243-15-5 778243-16-6  
 778243-17-7 778243-18-8 778243-19-9 778243-20-2 778243-21-3  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

IT 778249-21-1 778261-92-0 778266-77-6  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; nucleic acid mols. and encoded proteins associated with plants and their uses for plant improvement)

RN 778249-21-1 HCAPLUS

CN Protein (Arabidopsis thaliana clone ARATH-23APR03-C218984\_1.p) (9CI) (CA INDEX NAME)

SEQ 1 MAIIGDALRQ AFMPKQEYES LREEDRAWIK LQRPTLVSI AFLCFVIFTC  
 51 TIIVSLKIVFP SNVLKRPFCS DIKLQPLPIY GKARDSDLFP GAFYLTQDET  
 101 VDFYWMAAVV EEDVTFLVSS VYLVAGIFVA YSAPHRHEFL KVVENNYCAS  
 151 RRGVVRCLSI LNVVFAIIYG LLAIFLGSSL LTLGSSCSVP LFWCYEISSW  
 201 GLVILYAGTA FSLRRRAALT IDEGEFGNRN DQGLEMLEAN PLEFTPDVER  
 251 RVNEGFKAWM GPSLLSSDEE EDEPDFYNEV PNVTHTLSSR QRS

RN 778261-92-0 HCAPLUS

CN Protein (Zea mays clone ZEAMA-23APR03-C133\_47.p) (9CI) (CA INDEX NAME)

SEQ 1 PLSRIVPISP NELNLYRIVI VLRLIILCFF FQYRITHPVE DAYGLWLVS  
 51 ICEVWFALSW LLDQFPKWYP INRETYLDRL ALRYDREGEP SQLAPIDVFV  
 101 STVDPLKEPP LITGNTVLSI LAVDYPVDKV SCYVSDDGSA MLTFEALSET

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151 AEFARKWVPF CKKHNIETRA PEFYFARKID YLKDKIQPSF VKERRAMKRE
201 CEEFKVRIDA LVAKAQKIPE EGWTMADGTP WPGNNPRDHP GMIQVFLGHS
251 GGLDTDGNEL PRLVYVSREK RPGFQHHKKA GAMNALIRVS AVLTNGAYLL
301 NVDCDHYFNS SKALREAMCF MMDPALGRKT CYVQFPQRFD GIDLHDRIAN
351 RNIVFFDINM KGLDGIQGPV YVGTGCCFNR QALYGYDPVL TEADLEPNII
401 IKSCCGGRKK KDKSYIDSKN RDMKRTESSA PIFNMEDIEE GFEGYEDERS
451 LLMSQKSLEK RFGQSPIFIA STFMTQGGIP PSTNPGSLLK EAIHVISCY
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551 NLSDRNLQVL RWALGSVEIL LSRHCPIWYG YNGRLKLLER LAYINTIVYP
601 ITSIPLVAYC VLPALCLLTN KFIIPASNY AGAFFILLFA SIFATGILEL
651 RWSGVGIEDW WRNEQFWVIG GTSALHFAVF QGLLKVLALI DTNFTVTSKA
701 TDDGDGFAEL YVFKWTTLLI PPPTVLVINL VGIVAGVSYA INSGYQSWGP
751 LFGKLFPAIW VILHLYPFLK GLMGKQNRTP TIVIVSVLL ASIFSLWVK
801 IDPFISPTQK ALSRQCQGVN C

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RN 778266-77-6 HCAPLUS  
 CN Protein (Zea mays clone ZEAMA-23APR03-C28320\_1.p) (9CI) (CA INDEX NAME)

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 51 ATEPVVTLTG HLYCWPCIYE WLRPDVAEAG ARSSARRQCP VCKAAVSPDA  
 101 LVPLYGRGGS SSARKPLASI PRPRRPALRQ STQDSGSGGH HHHHRHAETG  
 151 TPARSLRHPA HAHAAQFDAL LSAPFGDRGM LHSTSTTGGM LGGMAVAVLP  
 201 LVLRGQARVP GMYPPSPYHL MSPRQRRWHV EVERSLLHQIW FFLCVFVVLC  
 251 LLLF

L12 ANSWER 7 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:771063 HCAPLUS  
 DN 141:255540  
 ED Entered STN: 22 Sep 2004  
 TI Sorghum nucleic acids and encoded proteins and their uses improvement of  
 transgenic plants  
 IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147,  
 abandoned.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24  
 INCL 800284000; 435200000; 536023200; 435468000  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES	
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24	
	INCL	800284000; 435200000; 536023200; 435468000	
US 2004172684	NCL	800/284.000	<--
US 2004172684	NCL	800/284.000	
	ECLA	C07K014/415; C12N015/82	<--

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA

library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

- ST sorghum cDNA protein sequence plant transformation
- IT Stress, plant
  - (cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Cell cycle
  - (growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Stress, plant
  - (heat, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Recombination, genetic
  - (homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Growth regulators, plant
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Pathogen
  - (improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Carbohydrates, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Disease resistance, plant
- Growth and development, plant
- Herbicide resistance
  - (improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Fats and Glyceridic oils, preparation
  - Proteins
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Stress, plant
  - (osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Transcription factors
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Embryophyta
  - Protein sequences
  - Sorghum bicolor
  - Transformation, genetic
  - cDNA sequences
    - (sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)
- IT Stress, plant
  - (water deficiency, improved tolerance to; sorghum nucleic acids and

encoded proteins and their uses improvement of transgenic plants)

IT    Photosynthesis, biological  
       (yield improvement by modification of; sorghum nucleic acids and  
       encoded proteins and their uses improvement of transgenic plants)

IT    Stress, plant  
       (yield improvement in; sorghum nucleic acids and encoded proteins and  
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RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
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	753094-86-9	753094-87-0	753094-88-1	753094-89-2	753094-90-5
	753094-91-6	753094-92-7	753094-93-8	753094-94-9	753094-95-0
	753094-96-1	753094-97-2	753094-98-3	753094-99-4	753095-00-0

753095-01-1	753095-02-2	753095-03-3	753095-04-4	753095-05-5
753095-06-6	753095-07-7	753095-08-8	753095-09-9	753095-10-2
753095-11-3	753095-12-4	753095-13-5	753095-14-6	753095-15-7
753095-16-8	753095-17-9	753095-18-0	753095-19-1	753095-20-4
753095-21-5	753095-22-6	753095-23-7	753095-24-8	753095-25-9
753095-26-0	753095-27-1	753095-28-2	753095-29-3	753095-30-6
753095-31-7	753095-32-8	753095-33-9	753095-34-0	753095-35-1
753095-36-2	753095-37-3	753095-38-4	753095-39-5	753095-40-8
753095-41-9	753095-42-0	753095-43-1	753095-44-2	753095-45-3
753095-46-4	753095-47-5	753095-48-6	753095-49-7	753095-50-0
753095-51-1	753095-52-2	753095-53-3	753095-54-4	753095-55-5
753095-56-6	753095-57-7	753095-58-8	753095-59-9	753095-60-2
753095-61-3	753095-62-4	753095-63-5	753095-64-6	753095-65-7
753095-66-8	753095-67-9	753095-68-0	753095-69-1	753095-70-4
753095-71-5	753095-72-6	753095-73-7	753095-74-8	753095-75-9
753095-76-0	753095-77-1	753095-78-2	753095-79-3	753095-80-6
753095-81-7	753095-82-8	753095-83-9	753095-84-0	753095-85-1
753095-86-2	753095-87-3	753095-88-4	753095-89-5	753095-90-8
753095-91-9	753095-92-0	753095-93-1	753095-94-2	753095-95-3
753095-96-4	753095-97-5	753095-98-6	753095-99-7	753096-00-3
753096-01-4	753096-02-5	753096-03-6	753096-04-7	753096-05-8
753096-06-9	753096-07-0	753096-08-1	753096-09-2	753096-10-5
753096-11-6	753096-12-7	753096-13-8	753096-14-9	753096-15-0
753096-16-1	753096-17-2	753096-18-3	753096-19-4	753096-20-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753096-21-8	753096-22-9	753096-23-0	753096-24-1	753096-25-2
	753096-26-3	753096-27-4	753096-28-5	753096-29-6	753096-30-9
	753096-31-0	753096-32-1	753096-33-2	753096-34-3	753096-35-4
	753096-36-5	753096-37-6	753096-38-7	753096-39-8	753096-40-1
	753096-41-2	753096-42-3	753096-43-4	753096-44-5	753096-45-6
	753096-46-7	753096-47-8	753096-48-9	753096-49-0	753096-50-3
	753096-51-4	753096-52-5	753096-53-6	753096-54-7	753096-55-8
	753096-56-9	753096-57-0	753096-58-1	753096-59-2	753096-60-5
	753096-61-6	753096-62-7	753096-63-8	753096-64-9	753096-65-0
	753096-66-1	753096-67-2	753096-68-3	753096-69-4	753096-70-7
	753096-71-8	753096-72-9	753096-73-0	753096-74-1	753096-75-2
	753096-76-3	753096-77-4	753096-78-5	753096-79-6	753096-80-9
	753096-81-0	753096-82-1	753096-83-2	753096-84-3	753096-85-4
	753096-86-5	753096-87-6	753096-88-7	753096-89-8	753096-90-1
	753096-91-2	753096-92-3	753096-93-4	753096-94-5	753096-95-6
	753096-96-7	753096-97-8	753096-98-9	753096-99-0	753097-00-6
	753097-01-7	753097-02-8	753097-03-9	753097-04-0	753097-05-1
	753097-06-2	753097-07-3	753097-08-4	753097-09-5	753097-10-8
	753097-11-9	753097-12-0	753097-13-1	753097-14-2	753097-15-3
	753097-16-4	753097-17-5	753097-18-6	753097-19-7	753097-20-0
	753097-21-1	753097-22-2	753097-23-3	753097-24-4	753097-25-5
	753097-26-6	753097-27-7	753097-28-8	753097-29-9	753097-30-2
	753097-31-3	753097-32-4	753097-33-5	753097-34-6	753097-35-7
	753097-36-8	753097-37-9	753097-38-0	753097-39-1	753097-40-4
	753097-41-5	753097-42-6	753097-43-7	753097-44-8	753097-45-9
	753097-46-0	753097-47-1	753097-48-2	753097-49-3	753097-50-6
	753097-51-7	753097-52-8	753097-53-9	753097-54-0	753097-55-1
	753097-56-2	753097-57-3	753097-58-4	753097-59-5	753097-60-8
	753097-61-9	753097-62-0	753097-63-1	753097-64-2	753097-65-3
	753097-66-4	753097-67-5	753097-68-6	753097-69-7	753097-70-0
	753097-71-1	753097-72-2	753097-73-3	753097-74-4	753097-75-5
	753097-76-6	753097-77-7	753097-78-8	753097-79-9	753097-80-2
	753097-81-3	753097-82-4	753097-83-5	753097-84-6	753097-85-7
	753097-86-8	753097-87-9	753097-88-0	753097-89-1	753097-90-4
	753097-91-5	753097-92-6	753097-93-7	753097-94-8	753097-95-9
	753097-96-0	753097-97-1	753097-98-2	753097-99-3	753098-00-9
	753098-01-0	753098-02-1	753098-03-2	753098-04-3	753098-05-4
	753098-06-5	753098-07-6	753098-08-7	753098-09-8	753098-10-1

753098-11-2	753098-12-3	753098-13-4	753098-14-5	753098-15-6
753098-16-7	753098-17-8	753098-18-9	753098-19-0	753098-20-3
753098-21-4	753098-22-5	753098-23-6	753098-24-7	753098-25-8
753098-26-9	753098-27-0	753098-28-1	753098-29-2	753098-30-5
753098-31-6	753098-32-7	753098-33-8	753098-34-9	753098-35-0
753098-36-1	753098-37-2	753098-38-3	753098-39-4	753098-40-7
753098-41-8	753098-42-9	753098-43-0	753098-44-1	753098-45-2
753098-46-3	753098-47-4	753098-48-5	753098-49-6	753098-50-9
753098-51-0	753098-52-1	753098-53-2	753098-54-3	753098-55-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753098-56-5	753098-57-6	753098-58-7	753098-59-8	753098-60-1
	753098-61-2	753098-62-3	753098-63-4	753098-64-5	753098-65-6
	753098-66-7	753098-67-8	753098-68-9	753098-69-0	753098-70-3
	753098-71-4	753098-72-5	753098-73-6	753098-74-7	753098-75-8
	753098-76-9	753098-77-0	753098-78-1	753098-79-2	753098-80-5
	753098-81-6	753098-82-7	753098-83-8	753098-84-9	753098-85-0
	753098-86-1	753098-87-2	753098-88-3	753098-89-4	753098-90-7
	753098-91-8	753098-92-9	753098-93-0	753098-94-1	753098-95-2
	753098-96-3	753098-97-4	753098-98-5	753098-99-6	753099-00-2
	753099-01-3	753099-02-4	753099-03-5	753099-04-6	753099-05-7
	753099-06-8	753099-07-9	753099-08-0	753099-09-1	753099-10-4
	753099-11-5	753099-12-6	753099-13-7	753099-14-8	753099-15-9
	753099-16-0	753099-17-1	753099-18-2	753099-19-3	753099-20-6
	753099-21-7	753099-22-8	753099-23-9	753099-24-0	753099-25-1
	753099-26-2	753099-27-3	753099-28-4	753099-29-5	753099-30-8
	753099-31-9	753099-32-0	753099-33-1	753099-34-2	753099-35-3
	753099-36-4	753099-37-5	753099-38-6	753099-39-7	753099-40-0
	753099-41-1	753099-42-2	753099-43-3	753099-44-4	753099-45-5
	753099-46-6	753099-47-7	753099-48-8	753099-49-9	753099-50-2
	753099-51-3	753099-52-4	753099-53-5	753099-54-6	753099-55-7
	753099-56-8	753099-57-9	753099-58-0	753099-59-1	753099-60-4
	753099-61-5	753099-62-6	753099-63-7	753099-64-8	753099-65-9
	753099-66-0	753099-67-1	753099-68-2	753099-69-3	753099-70-6
	753099-71-7	753099-72-8	753099-73-9	753099-74-0	753099-75-1
	753099-76-2	753099-77-3	753099-78-4	753099-79-5	753099-80-8
	753099-81-9	753099-82-0	753099-83-1	753099-84-2	753099-85-3
	753099-86-4	753099-87-5	753099-88-6	753099-89-7	753099-90-0
	753099-91-1	753099-92-2	753099-93-3	753099-94-4	753099-95-5
	753099-96-6	753099-97-7	753099-98-8	753099-99-9	753100-00-4
	753100-01-5	753100-02-6	753100-03-7	753100-04-8	753100-05-9
	753100-06-0	753100-07-1	753100-08-2	753100-09-3	753100-10-6
	753100-11-7	753100-12-8	753100-13-9	753100-14-0	753100-15-1
	753100-16-2	753100-17-3	753100-18-4	753100-19-5	753100-20-8
	753100-21-9	753100-22-0	753100-23-1	753100-24-2	753100-25-3
	753100-26-4	753100-27-5	753100-28-6	753100-29-7	753100-30-0
	753100-31-1	753100-32-2	753100-33-3	753100-34-4	753100-35-5
	753100-36-6	753100-37-7	753100-38-8	753100-39-9	753100-40-2
	753100-41-3	753100-42-4	753100-43-5	753100-44-6	753100-45-7
	753100-46-8	753100-47-9	753100-48-0	753100-49-1	753100-50-4
	753100-51-5	753100-52-6	753100-53-7	753100-54-8	753100-55-9
	753100-56-0	753100-57-1	753100-58-2	753100-59-3	753100-60-6
	753100-61-7	753100-62-8	753100-63-9	753100-64-0	753100-65-1
	753100-66-2	753100-67-3	753100-68-4	753100-69-5	753100-70-8
	753100-71-9	753100-72-0	753100-73-1	753100-74-2	753100-75-3
	753100-76-4	753100-77-5	753100-78-6	753100-79-7	753100-80-0
	753100-81-1	753100-82-2	753100-83-3	753100-84-4	753100-85-5
	753100-86-6	753100-87-7	753100-88-8	753100-89-9	753100-90-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753100-91-3	753100-92-4	753100-93-5	753100-94-6	753100-95-7
	753100-96-8	753100-97-9	753100-98-0	753100-99-1	753101-00-7

753101-01-8	753101-02-9	753101-03-0	753101-04-1	753101-05-2
753101-06-3	753101-07-4	753101-08-5	753101-09-6	753101-10-9
753101-11-0	753101-12-1	753101-13-2	753101-14-3	753101-15-4
753101-16-5	753101-17-6	753101-18-7	753101-19-8	753101-20-1
753101-21-2	753101-22-3	753101-23-4	753101-24-5	753101-25-6
753101-26-7	753101-27-8	753101-28-9	753101-29-0	753101-30-3
753101-31-4	753101-32-5	753101-33-6	753101-34-7	753101-35-8
753101-36-9	753101-37-0	753101-38-1	753101-39-2	753101-40-5
753101-41-6	753101-42-7	753101-43-8	753101-44-9	753101-45-0
753101-46-1	753101-47-2	753101-48-3	753101-49-4	753101-50-7
753101-51-8	753101-52-9	753101-53-0	753101-54-1	753101-55-2
753101-56-3	753101-57-4	753101-58-5	753101-59-6	753101-60-9
753101-61-0	753101-62-1	753101-63-2	753101-64-3	753101-65-4
753101-66-5	753101-67-6	753101-68-7	753101-69-8	753101-70-1
753101-71-2	753101-72-3	753101-73-4	753101-74-5	753101-75-6
753101-76-7	753101-77-8	753101-78-9	753101-79-0	753101-80-3
753101-81-4	753101-82-5	753101-83-6	753101-84-7	753101-85-8
753101-86-9	753101-87-0	753101-88-1	753101-89-2	753101-90-5
753101-91-6	753101-92-7	753101-93-8	753101-94-9	753101-95-0
753101-96-1	753101-97-2	753101-98-3	753101-99-4	753102-00-0
753102-01-1	753102-02-2	753102-03-3	753102-04-4	753102-05-5
753102-06-6	753102-07-7	753102-08-8	753102-09-9	753102-10-2
753102-11-3	753102-12-4	753102-13-5	753102-14-6	753102-15-7
753102-16-8	753102-17-9	753102-18-0	753102-19-1	753102-20-4
753102-21-5	753102-22-6	753102-23-7	753102-24-8	753102-25-9
753102-26-0	753102-27-1	753102-28-2	753102-29-3	753102-30-6
753102-31-7	753102-32-8	753102-33-9	753102-34-0	753102-35-1
753102-36-2	753102-37-3	753102-38-4	753102-39-5	753102-40-8
753102-41-9	753102-42-0	753102-43-1	753102-44-2	753102-45-3
753102-46-4	753102-47-5	753102-48-6	753102-49-7	753102-50-0
753102-51-1	753102-52-2	753102-53-3	753102-54-4	753102-55-5
753102-56-6	753102-57-7	753102-58-8	753102-59-9	753102-60-2
753102-61-3	753102-62-4	753102-63-5	753102-64-6	753102-65-7
753102-66-8	753102-67-9	753102-68-0	753102-69-1	753102-70-4
753102-71-5	753102-72-6	753102-73-7	753102-74-8	753102-75-9
753102-76-0	753102-77-1	753102-78-2	753102-79-3	753102-80-6
753102-81-7	753102-82-8	753102-83-9	753102-84-0	753102-85-1
753102-86-2	753102-87-3	753102-88-4	753102-89-5	753102-90-8
753102-91-9	753102-92-0	753102-93-1	753102-94-2	753102-95-3
753102-96-4	753102-97-5	753102-98-6	753102-99-7	753103-00-3
753103-01-4	753103-02-5	753103-03-6	753103-04-7	753103-05-8
753103-06-9	753103-07-0	753103-08-1	753103-09-2	753103-10-5
753103-11-6	753103-12-7	753103-13-8	753103-14-9	753103-15-0
753103-16-1	753103-17-2	753103-18-3	753103-19-4	753103-20-7
753103-21-8	753103-22-9	753103-23-0	753103-24-1	753103-25-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753103-26-3	753103-27-4	753103-28-5	753103-29-6	753103-30-9
	753103-31-0	753103-32-1	753103-33-2	753103-34-3	753103-35-4
	753103-36-5	753103-37-6	753103-38-7	753103-39-8	753103-40-1
	753103-41-2	753103-42-3	753103-43-4	753103-44-5	753103-45-6
	753103-46-7	753103-47-8	753103-48-9	753103-49-0	753103-50-3
	753103-51-4	753103-52-5	753103-53-6	753103-54-7	753103-55-8
	753103-56-9	753103-57-0	753103-58-1	753103-59-2	753103-60-5
	753103-61-6	753103-62-7	753103-63-8	753103-64-9	753103-65-0
	753103-66-1	753103-67-2	753103-68-3	753103-69-4	753103-70-7
	753103-71-8	753103-72-9	753103-73-0	753103-74-1	753103-75-2
	753103-76-3	753103-77-4	753103-78-5	753103-79-6	753103-80-9
	753103-81-0	753103-82-1	753103-83-2	753103-84-3	753103-85-4
	753103-86-5	753103-87-6	753103-88-7	753103-89-8	753103-90-1
	753103-91-2	753103-92-3	753103-93-4	753103-94-5	753103-95-6
	753103-96-7	753103-97-8	753103-98-9	753103-99-0	753104-00-6
	753104-01-7	753104-02-8	753104-03-9	753104-04-0	753104-05-1
	753104-06-2	753104-07-3	753104-08-4	753104-09-5	753104-10-8

753104-11-9	753104-12-0	753104-13-1	753104-14-2	753104-15-3
753104-16-4	753104-17-5	753104-18-6	753104-19-7	753104-20-0
753104-21-1	753104-22-2	753104-23-3	753104-24-4	753104-25-5
753104-26-6	753104-27-7	753104-28-8	753104-29-9	753104-30-2
753104-31-3	753104-32-4	753104-33-5	753104-34-6	753104-35-7
753104-36-8	753104-37-9	753104-38-0	753104-39-1	753104-40-4
753104-41-5	753104-42-6	753104-43-7	753104-44-8	753104-45-9
753104-46-0	753104-47-1	753104-48-2	753104-49-3	753104-50-6
753104-51-7	753104-52-8	753104-53-9	753104-54-0	753104-55-1
753104-56-2	753104-57-3	753104-58-4	753104-59-5	753104-60-8
753104-61-9	753104-62-0	753104-63-1	753104-64-2	753104-65-3
753104-66-4	753104-67-5	753104-68-6	753104-69-7	753104-70-0
753104-71-1	753104-72-2	753104-73-3	753104-74-4	753104-75-5
753104-76-6	753104-77-7	753104-78-8	753104-79-9	753104-80-2
753104-81-3	753104-82-4	753104-83-5	753104-84-6	753104-85-7
753104-86-8	753104-87-9	753104-88-0	753104-89-1	753104-90-4
753104-91-5	753104-92-6	753104-93-7	753104-94-8	753104-95-9
753104-96-0	753104-97-1	753104-98-2	753104-99-3	753105-00-9
753105-01-0	753105-02-1	753105-03-2	753105-04-3	753105-05-4
753105-06-5	753105-07-6	753105-08-7	753105-09-8	753105-10-1
753105-11-2	753105-12-3	753105-13-4	753105-14-5	753105-15-6
753105-16-7	753105-17-8	753105-18-9	753105-19-0	753105-20-3
753105-21-4	753105-22-5	753105-23-6	753105-24-7	753105-25-8
753105-26-9	753105-27-0	753105-28-1	753105-29-2	753105-30-5
753105-31-6	753105-32-7	753105-33-8	753105-34-9	753105-35-0
753105-36-1	753105-37-2	753105-38-3	753105-39-4	753105-40-7
753105-41-8	753105-42-9	753105-43-0	753105-44-1	753105-45-2
753105-46-3	753105-47-4	753105-48-5	753105-49-6	753105-50-9
753105-51-0	753105-52-1	753105-53-2	753105-54-3	753105-55-4
753105-56-5	753105-57-6	753105-58-7	753105-59-8	753105-60-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753105-61-2	753105-62-3	753105-63-4	753105-64-5	753105-65-6
	753105-66-7	753105-67-8	753105-68-9	753105-69-0	753105-70-3
	753105-71-4	753105-72-5	753105-73-6	753105-74-7	753105-75-8
	753105-76-9	753105-77-0	753105-78-1	753105-79-2	753105-80-5
	753105-81-6	753105-82-7	753105-83-8	753105-84-9	753105-85-0
	753105-86-1	753105-87-2	753105-88-3	753105-89-4	753105-90-7
	753105-91-8	753105-92-9	753105-93-0	753105-94-1	753105-95-2
	753105-96-3	753105-97-4	753105-98-5	753105-99-6	753106-00-2
	753106-01-3	753106-02-4	753106-03-5	753106-04-6	753106-05-7
	753106-06-8	753106-07-9	753106-08-0	753106-09-1	753106-10-4
	753106-11-5	753106-12-6	753106-13-7	753106-14-8	753106-15-9
	753106-16-0	753106-17-1	753106-18-2	753106-19-3	753106-20-6
	753106-21-7	753106-22-8	753106-23-9	753106-24-0	753106-25-1
	753106-26-2	753106-27-3	753106-28-4	753106-29-5	753106-30-8
	753106-31-9	753106-32-0	753106-33-1	753106-34-2	753106-35-3
	753106-36-4	753106-37-5	753106-38-6	753106-39-7	753106-40-0
	753106-41-1	753106-42-2	753106-43-3	753106-44-4	753106-45-5
	753106-46-6	753106-47-7	753106-48-8	753106-49-9	753106-50-2
	753106-51-3	753106-52-4	753106-53-5	753106-54-6	753106-55-7
	753106-56-8	753106-57-9	753106-58-0	753106-59-1	753106-60-4
	753106-61-5	753106-62-6	753106-63-7	753106-64-8	753106-65-9
	753106-66-0	753106-67-1	753106-68-2	753106-69-3	753106-70-6
	753106-71-7	753106-72-8	753106-73-9	753106-74-0	753106-75-1
	753106-76-2	753106-77-3	753106-78-4	753106-79-5	753106-80-8
	753106-81-9	753106-82-0	753106-83-1	753106-84-2	753106-85-3
	753106-86-4	753106-87-5	753106-88-6	753106-89-7	753106-90-0
	753106-91-1	753106-92-2	753106-93-3	753106-94-4	753106-95-5
	753106-96-6	753106-97-7	753106-98-8	753106-99-9	753107-00-5
	753107-01-6	753107-02-7	753107-03-8	753107-04-9	753107-05-0
	753107-06-1	753107-07-2	753107-08-3	753107-09-4	753107-10-7
	753107-11-8	753107-12-9	753107-13-0	753107-14-1	753107-15-2
	753107-16-3	753107-17-4	753107-18-5	753107-19-6	753107-20-9

753107-21-0	753107-22-1	753107-23-2	753107-24-3	753107-25-4
753107-26-5	753107-27-6	753107-28-7	753107-29-8	753107-30-1
753107-31-2	753107-32-3	753107-33-4	753107-34-5	753107-35-6
753107-36-7	753107-37-8	753107-38-9	753107-39-0	753107-40-3
753107-41-4	753107-42-5	753107-43-6	753107-44-7	753107-45-8
753107-46-9	753107-47-0	753107-48-1	753107-49-2	753107-50-5
753107-51-6	753107-52-7	753107-53-8	753107-54-9	753107-55-0
753107-56-1	753107-57-2	753107-58-3	753107-59-4	753107-60-7
753107-61-8	753107-62-9	753107-63-0	753107-64-1	753107-65-2
753107-66-3	753107-67-4	753107-68-5	753107-69-6	753107-70-9
753107-71-0	753107-72-1	753107-73-2	753107-74-3	753107-75-4
753107-76-5	753107-77-6	753107-78-7	753107-79-8	753107-80-1
753107-81-2	753107-82-3	753107-83-4	753107-84-5	753107-85-6
753107-86-7	753107-87-8	753107-88-9	753107-89-0	753107-90-3
753107-91-4	753107-92-5	753107-93-6	753107-94-7	753107-95-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753107-96-9	753107-97-0	753107-98-1	753107-99-2	753108-00-8
	753108-01-9	753108-02-0	753108-03-1	753108-04-2	753108-05-3
	753108-06-4	753108-07-5	753108-08-6	753108-09-7	753108-10-0
	753108-11-1	753108-12-2	753108-13-3	753108-14-4	753108-15-5
	753108-16-6	753108-17-7	753108-18-8	753108-19-9	753108-20-2
	753108-21-3	753108-22-4	753108-23-5	753108-24-6	753108-25-7
	753108-26-8	753108-27-9	753108-28-0	753108-29-1	753108-30-4
	753108-31-5	753108-32-6	753108-33-7	753108-34-8	753108-35-9
	753108-36-0	753108-37-1	753108-38-2	753108-39-3	753108-40-6
	753108-41-7	753108-42-8	753108-43-9	753108-44-0	753108-45-1
	753108-46-2	753108-47-3	753108-48-4	753108-49-5	753108-50-8
	753108-51-9	753108-52-0	753108-53-1	753108-54-2	753108-55-3
	753108-56-4	753108-57-5	753108-58-6	753108-59-7	753108-60-0
	753108-61-1	753108-62-2	753108-63-3	753108-64-4	753108-65-5
	753108-66-6	753108-67-7	753108-68-8	753108-69-9	753108-70-2
	753108-71-3	753108-72-4	753108-73-5	753108-74-6	753108-75-7
	753108-76-8	753108-77-9	753108-78-0	753108-79-1	753108-80-4
	753108-81-5	753108-82-6	753108-83-7	753108-84-8	753108-85-9
	753108-86-0	753108-87-1	753108-88-2	753108-89-3	753108-90-6
	753108-91-7	753108-92-8	753108-93-9	753108-94-0	753108-95-1
	753108-96-2	753108-97-3	753108-98-4	753108-99-5	753109-00-1
	753109-01-2	753109-02-3	753109-03-4	753109-04-5	753109-05-6
	753109-06-7	753109-07-8	753109-08-9	753109-09-0	753109-10-3
	753109-11-4	753109-12-5	753109-13-6	753109-14-7	753109-15-8
	753109-16-9	753109-17-0	753109-18-1	753109-19-2	753109-20-5
	753109-21-6	753109-22-7	753109-23-8	753109-24-9	753109-25-0
	753109-26-1	753109-27-2	753109-28-3	753109-29-4	753109-30-7
	753109-31-8	753109-32-9	753109-33-0	753109-34-1	753109-35-2
	753109-36-3	753109-37-4	753109-38-5	753109-39-6	753109-40-9
	753109-41-0	753109-42-1	753109-43-2	753109-44-3	753109-45-4
	753109-46-5	753109-47-6	753109-48-7	753109-49-8	753109-50-1
	753109-51-2	753109-52-3	753109-53-4	753109-54-5	753109-55-6
	753109-56-7	753109-57-8	753109-58-9	753109-59-0	753109-60-3
	753109-61-4	753109-62-5	753109-63-6	753109-64-7	753109-65-8
	753109-66-9	753109-67-0	753109-68-1	753109-69-2	753109-70-5
	753109-71-6	753109-72-7	753109-73-8	753109-74-9	753109-75-0
	753109-76-1	753109-77-2	753109-78-3	753109-79-4	753109-80-7
	753109-81-8	753109-82-9	753109-83-0	753109-84-1	753109-85-2
	753109-86-3	753109-87-4	753109-88-5	753109-89-6	753109-90-9
	753109-91-0	753109-92-1	753109-93-2	753109-94-3	753109-95-4
	753109-96-5	753109-97-6	753109-98-7	753109-99-8	753110-00-8
	753110-01-9	753110-02-0	753110-03-1	753110-04-2	753110-05-3
	753110-06-4	753110-07-5	753110-08-6	753110-09-7	753110-10-0
	753110-11-1	753110-12-2	753110-13-3	753110-14-4	753110-15-5
	753110-16-6	753110-17-7	753110-18-8	753110-19-9	753110-20-2
	753110-21-3	753110-22-4	753110-23-5	753110-24-6	753110-25-7
	753110-26-8	753110-27-9	753110-28-0	753110-29-1	753110-30-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753110-31-5	753110-32-6	753110-33-7	753110-34-8	753110-35-9
	753110-36-0	753110-37-1	753110-38-2	753110-39-3	753110-40-6
	753110-41-7	753110-42-8	753110-43-9	753110-44-0	753110-45-1
	753110-46-2	753110-47-3	753110-48-4	753110-49-5	753110-50-8
	753110-51-9	753110-52-0	753110-53-1	753110-54-2	753110-55-3
	753110-56-4	753110-57-5	753110-58-6	753110-59-7	753110-60-0
	753110-61-1	753110-62-2	753110-63-3	753110-64-4	753110-65-5
	753110-66-6	753110-67-7	753110-68-8	753110-69-9	753110-70-2
	753110-71-3	753110-72-4	753110-73-5	753110-74-6	753110-75-7
	753110-76-8	753110-77-9	753110-78-0	753110-79-1	753110-80-4
	753110-81-5	753110-82-6	753110-83-7	753110-84-8	753110-85-9
	753110-86-0	753110-87-1	753110-88-2	753110-89-3	753110-90-6
	753110-91-7	753110-92-8	753110-93-9	753110-94-0	753110-95-1
	753110-96-2	753110-97-3	753110-98-4	753110-99-5	753111-00-1
	753111-01-2	753111-02-3	753111-03-4	753111-04-5	753111-05-6
	753111-06-7	753111-07-8	753111-08-9	753111-09-0	753111-10-3
	753111-11-4	753111-12-5	753111-13-6	753111-14-7	753111-15-8
	753111-16-9	753111-17-0	753111-18-1	753111-19-2	753111-20-5
	753111-21-6	753111-22-7	753111-23-8	753111-24-9	753111-25-0
	753111-26-1	753111-27-2	753111-28-3	753111-29-4	753111-30-7
	753111-31-8	753111-32-9	753111-33-0	753111-34-1	753111-35-2
	753111-36-3	753111-37-4	753111-38-5	753111-39-6	753111-40-9
	753111-41-0	753111-42-1	753111-43-2	753111-44-3	753111-45-4
	753111-46-5	753111-47-6	753111-48-7	753111-49-8	753111-50-1
	753111-51-2	753111-52-3	753111-53-4	753111-54-5	753111-55-6
	753111-56-7	753111-57-8	753111-58-9	753111-59-0	753111-60-3
	753111-61-4	753111-62-5	753111-63-6	753111-64-7	753111-65-8
	753111-66-9	753111-67-0	753111-68-1	753111-69-2	753111-70-5
	753111-71-6	753111-72-7	753111-73-8	753111-74-9	753111-75-0
	753111-76-1	753111-77-2	753111-78-3	753111-79-4	753111-80-7
	753111-81-8	753111-82-9	753111-83-0	753111-84-1	753111-85-2
	753111-86-3	753111-87-4	753111-88-5	753111-89-6	753111-90-9
	753111-91-0	753111-92-1	753111-93-2	753111-94-3	753111-95-4
	753111-96-5	753111-97-6	753111-98-7	753111-99-8	753112-00-4
	753112-01-5	753112-02-6	753112-03-7	753112-04-8	753112-05-9
	753112-06-0	753112-07-1	753112-08-2	753112-09-3	753112-10-6
	753112-11-7	753112-12-8	753112-13-9	753112-14-0	753112-15-1
	753112-16-2	753112-17-3	753112-18-4	753112-19-5	753112-20-8
	753112-21-9	753112-22-0	753112-23-1	753112-24-2	753112-25-3
	753112-26-4	753112-27-5	753112-28-6	753112-29-7	753112-30-0
	753112-31-1	753112-32-2	753112-33-3	753112-34-4	753112-35-5
	753112-36-6	753112-37-7	753112-38-8	753112-39-9	753112-40-2
	753112-41-3	753112-42-4	753112-43-5	753112-44-6	753112-45-7
	753112-46-8	753112-47-9	753112-48-0	753112-49-1	753112-50-4
	753112-51-5	753112-52-6	753112-53-7	753112-54-8	753112-55-9
	753112-56-0	753112-57-1	753112-58-2	753112-59-3	753112-60-6
	753112-61-7	753112-62-8	753112-63-9	753112-64-0	753112-65-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753112-66-2	753112-67-3	753112-68-4	753112-69-5	753112-70-8
	753112-71-9	753112-72-0	753112-73-1	753112-74-2	753112-75-3
	753112-76-4	753112-77-5	753112-78-6	753112-79-7	753112-80-0
	753112-81-1	753112-82-2	753112-83-3	753112-84-4	753112-85-5
	753112-86-6	753112-87-7	753112-88-8	753112-89-9	753112-90-2
	753112-91-3	753112-92-4	753112-93-5	753112-94-6	753112-95-7
	753112-96-8	753112-97-9	753112-98-0	753112-99-1	753113-00-7
	753113-01-8	753113-02-9	753113-03-0	753113-04-1	753113-05-2
	753113-06-3	753113-07-4	753113-08-5	753113-09-6	753113-10-9
	753113-11-0	753113-12-1	753113-13-2	753113-14-3	753113-15-4
	753113-16-5	753113-17-6	753113-18-7	753113-19-8	753113-20-1

753113-21-2	753113-22-3	753113-23-4	753113-24-5	753113-25-6
753113-26-7	753113-27-8	753113-28-9	753113-29-0	753113-30-3
753113-31-4	753113-32-5	753113-33-6	753113-34-7	753113-35-8
753113-36-9	753113-37-0	753113-38-1	753113-39-2	753113-40-5
753113-41-6	753113-42-7	753113-43-8	753113-44-9	753113-45-0
753113-46-1	753113-47-2	753113-48-3	753113-49-4	753113-50-7
753113-51-8	753113-52-9	753113-53-0	753113-54-1	753113-55-2
753113-56-3	753113-57-4	753113-58-5	753113-59-6	753113-60-9
753113-61-0	753113-62-1	753113-63-2	753113-64-3	753113-65-4
753113-66-5	753113-67-6	753113-68-7	753113-69-8	753113-70-1
753113-71-2	753113-72-3	753113-73-4	753113-74-5	753113-75-6
753113-76-7	753113-77-8	753113-78-9	753113-79-0	753113-80-3
753113-81-4	753113-82-5	753113-83-6	753113-84-7	753113-85-8
753113-86-9	753113-87-0	753113-88-1	753113-89-2	753113-90-5
753113-91-6	753113-92-7	753113-93-8	753113-94-9	753113-95-0
753113-96-1	753113-97-2	753113-98-3	753113-99-4	753114-00-0
753114-01-1	753114-02-2	753114-03-3	753114-04-4	753114-05-5
753114-06-6	753114-07-7	753114-08-8	753114-09-9	753114-10-2
753114-11-3	753114-12-4	753114-13-5	753114-14-6	753114-15-7
753114-16-8	753114-17-9	753114-18-0	753114-19-1	753114-20-4
753114-21-5	753114-22-6	753114-23-7	753114-24-8	753114-25-9
753114-26-0	753114-27-1	753114-28-2	753114-29-3	753114-30-6
753114-31-7	753114-32-8	753114-33-9	753114-34-0	753114-35-1
753114-36-2	753114-37-3	753114-38-4	753114-39-5	753114-40-8
753114-41-9	753114-42-0	753114-43-1	753114-44-2	753114-45-3
753114-46-4	753114-47-5	753114-48-6	753114-49-7	753114-50-0
753114-51-1	753114-52-2	753114-53-3	753114-54-4	753114-55-5
753114-56-6	753114-57-7	753114-58-8	753114-59-9	753114-60-2
753114-61-3	753114-62-4	753114-63-5	753114-64-6	753114-65-7
753114-66-8	753114-67-9	753114-68-0	753114-69-1	753114-70-4
753114-71-5	753114-72-6	753114-73-7	753114-74-8	753114-75-9
753114-76-0	753114-77-1	753114-78-2	753114-79-3	753114-80-6
753114-81-7	753114-82-8	753114-83-9	753114-84-0	753114-85-1
753114-86-2	753114-87-3	753114-88-4	753114-89-5	753114-90-8
753114-91-9	753114-92-0	753114-93-1	753114-94-2	753114-95-3
753114-96-4	753114-97-5	753114-98-6	753114-99-7	753115-00-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753115-01-4	753115-02-5	753115-03-6	753115-04-7	753115-05-8
	753115-06-9	753115-07-0	753115-08-1	753115-09-2	753115-10-5
	753115-11-6	753115-12-7	753115-13-8	753115-14-9	753115-15-0
	753115-16-1	753115-17-2	753115-18-3	753115-19-4	753115-20-7
	753115-21-8	753115-22-9	753115-23-0	753115-24-1	753115-25-2
	753115-26-3	753115-27-4	753115-28-5	753115-29-6	753115-30-9
	753115-31-0	753115-32-1	753115-33-2	753115-34-3	753115-35-4
	753115-36-5	753115-37-6	753115-38-7	753115-39-8	753115-40-1
	753115-41-2	753115-42-3	753115-43-4	753115-44-5	753115-45-6
	753115-46-7	753115-47-8	753115-48-9	753115-49-0	753115-50-3
	753115-51-4	753115-52-5	753115-53-6	753115-54-7	753115-55-8
	753115-56-9	753115-57-0	753115-58-1	753115-59-2	753115-60-5
	753115-61-6	753115-62-7	753115-63-8	753115-64-9	753115-65-0
	753115-66-1	753115-67-2	753115-68-3	753115-69-4	753115-70-7
	753115-71-8	753115-72-9	753115-73-0	753115-74-1	753115-75-2
	753115-76-3	753115-77-4	753115-78-5	753115-79-6	753115-80-9
	753115-81-0	753115-82-1	753115-83-2	753115-84-3	753115-85-4
	753115-86-5	753115-87-6	753115-88-7	753115-89-8	753115-90-1
	753115-91-2	753115-92-3	753115-93-4	753115-94-5	753115-95-6
	753115-96-7	753115-97-8	753115-98-9	753115-99-0	753116-00-6
	753116-01-7	753116-02-8	753116-03-9	753116-04-0	753116-05-1
	753116-06-2	753116-07-3	753116-08-4	753116-09-5	753116-10-8
	753116-11-9	753116-12-0	753116-13-1	753116-14-2	753116-15-3
	753116-16-4	753116-17-5	753116-18-6	753116-19-7	753116-20-0
	753116-21-1	753116-22-2	753116-23-3	753116-24-4	753116-25-5
	753116-26-6	753116-27-7	753116-28-8	753116-29-9	753116-30-2

753116-31-3	753116-32-4	753116-33-5	753116-34-6	753116-35-7
753116-36-8	753116-37-9	753116-38-0	753116-39-1	753116-40-4
753116-41-5	753116-42-6	753116-43-7	753116-44-8	753116-45-9
753116-46-0	753116-47-1	753116-48-2	753116-49-3	753116-50-6
753116-51-7	753116-52-8	753116-53-9	753116-54-0	753116-55-1
753116-56-2	753116-57-3	753116-58-4	753116-59-5	753116-60-8
753116-61-9	753116-62-0	753116-63-1	753116-64-2	753116-65-3
753116-66-4	753116-67-5	753116-68-6	753116-69-7	753116-70-0
753116-71-1	753116-72-2	753116-73-3	753116-74-4	753116-75-5
753116-76-6	753116-77-7	753116-78-8	753116-79-9	753116-80-2
753116-81-3	753116-82-4	753116-83-5	753116-84-6	753116-85-7
753116-86-8	753116-87-9	753116-88-0	753116-89-1	753116-90-4
753116-91-5	753116-92-6	753116-93-7	753116-94-8	753116-95-9
753116-96-0	753116-97-1	753116-98-2	753116-99-3	753117-00-9
753117-01-0	753117-02-1	753117-03-2	753117-04-3	753117-05-4
753117-06-5	753117-07-6	753117-08-7	753117-09-8	753117-10-1
753117-11-2	753117-12-3	753117-13-4	753117-14-5	753117-15-6
753117-16-7	753117-17-8	753117-18-9	753117-19-0	753117-20-3
753117-21-4	753117-22-5	753117-23-6	753117-24-7	753117-25-8
753117-26-9	753117-27-0	753117-28-1	753117-29-2	753117-30-5
753117-31-6	753117-32-7	753117-33-8	753117-34-9	753117-35-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 753117-36-1	753117-37-2	753117-38-3	753117-39-4	753117-40-7
753117-41-8	753117-42-9	753117-43-0	753117-44-1	753117-45-2
753117-46-3	753117-47-4	753117-48-5	753117-49-6	753117-50-9
753117-51-0	753117-52-1	753117-53-2	753117-54-3	753117-55-4
753117-56-5	753117-57-6	753117-58-7	753117-59-8	753117-60-1
753117-61-2	753117-62-3	753117-63-4	753117-64-5	753117-65-6
753117-66-7	753117-67-8	753117-68-9	753117-69-0	753117-70-3
753117-71-4	753117-72-5	753117-73-6	753117-74-7	753117-75-8
753117-76-9	753117-77-0	753117-78-1	753117-79-2	753117-80-5
753117-81-6	753117-82-7	753117-83-8	753117-84-9	753117-85-0
753117-86-1	753117-87-2	753117-88-3	753117-89-4	753117-90-7
753117-91-8	753117-92-9	753117-93-0	753117-94-1	753117-95-2
753117-96-3	753117-97-4	753117-98-5	753117-99-6	753118-00-2
753118-01-3	753118-02-4	753118-03-5	753118-04-6	753118-05-7
753118-06-8	753118-07-9	753118-08-0	753118-09-1	753118-10-4
753118-11-5	753118-12-6	753118-13-7	753118-14-8	753118-15-9
753118-16-0	753118-17-1	753118-18-2	753118-19-3	753118-20-6
753118-21-7	753118-22-8	753118-23-9	753118-24-0	753118-25-1
753118-26-2	753118-27-3	753118-28-4	753118-29-5	753118-30-8
753118-31-9	753118-32-0	753118-33-1	753118-34-2	753118-35-3
753118-36-4	753118-37-5	753118-38-6	753118-39-7	753118-40-0
753118-41-1	753118-42-2	753118-43-3	753118-44-4	753118-45-5
753118-46-6	753118-47-7	753118-48-8	753118-49-9	753118-50-2
753118-51-3	753118-52-4	753118-53-5	753118-54-6	753118-55-7
753118-56-8	753118-57-9	753118-58-0	753118-59-1	753118-60-4
753118-61-5	753118-62-6	753118-63-7	753118-64-8	753118-65-9
753118-66-0	753118-67-1	753118-68-2	753118-69-3	753118-70-6
753118-71-7	753118-72-8	753118-73-9	753118-74-0	753118-75-1
753118-76-2	753118-77-3	753118-78-4	753118-79-5	753118-80-8
753118-81-9	753118-82-0	753118-83-1	753118-84-2	753118-85-3
753118-86-4	753118-87-5	753118-88-6	753118-89-7	753118-90-0
753118-91-1	753118-92-2	753118-93-3	753118-94-4	753118-95-5
753118-96-6	753118-97-7	753118-98-8	753118-99-9	753119-00-5
753119-01-6	753119-02-7	753119-03-8	753119-04-9	753119-05-0
753119-06-1	753119-07-2	753119-08-3	753119-09-4	753119-10-7
753119-11-8	753119-12-9	753119-13-0	753119-14-1	753119-15-2
753119-16-3	753119-17-4	753119-18-5	753119-19-6	753119-20-9
753119-21-0	753119-22-1	753119-23-2	753119-24-3	753119-25-4
753119-26-5	753119-27-6	753119-28-7	753119-29-8	753119-30-1
753119-31-2	753119-32-3	753119-33-4	753119-34-5	753119-35-6
753119-36-7	753119-37-8	753119-38-9	753119-39-0	753119-40-3

753119-41-4	753119-42-5	753119-43-6	753119-44-7	753119-45-8
753119-46-9	753119-47-0	753119-48-1	753119-49-2	753119-50-5
753119-51-6	753119-52-7	753119-53-8	753119-54-9	753119-55-0
753119-56-1	753119-57-2	753119-58-3	753119-59-4	753119-60-7
753119-61-8	753119-62-9	753119-63-0	753119-64-1	753119-65-2
753119-66-3	753119-67-4	753119-68-5	753119-69-6	753119-70-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753119-71-0	753119-72-1	753119-73-2	753119-74-3	753119-75-4
	753119-76-5	753119-77-6	753119-78-7	753119-79-8	753119-80-1
	753119-81-2	753119-82-3	753119-83-4	753119-84-5	753119-85-6
	753119-86-7	753119-87-8	753119-88-9	753119-89-0	753119-90-3
	753119-91-4	753119-92-5	753119-93-6	753119-94-7	753119-95-8
	753119-96-9	753119-97-0	753119-98-1	753119-99-2	753120-00-2
	753120-01-3	753120-02-4	753120-03-5	753120-04-6	753120-05-7
	753120-06-8	753120-07-9	753120-08-0	753120-09-1	753120-10-4
	753120-11-5	753120-12-6	753120-13-7	753120-14-8	753120-15-9
	753120-16-0	753120-17-1	753120-18-2	753120-19-3	753120-20-6
	753120-21-7	753120-22-8	753120-23-9	753120-24-0	753120-25-1
	753120-26-2	753120-27-3	753120-28-4	753120-29-5	753120-30-8
	753120-31-9	753120-32-0	753120-33-1	753120-34-2	753120-35-3
	753120-36-4	753120-37-5	753120-38-6	753120-39-7	753120-40-0
	753120-41-1	753120-42-2	753120-43-3	753120-44-4	753120-45-5
	753120-46-6	753120-47-7	753120-48-8	753120-49-9	753120-50-2
	753120-51-3	753120-52-4	753120-53-5	753120-54-6	753120-55-7
	753120-56-8	753120-57-9	753120-58-0	753120-59-1	753120-60-4
	753120-61-5	753120-62-6	753120-63-7	753120-64-8	753120-65-9
	753120-66-0	753120-67-1	753120-68-2	753120-69-3	753120-70-6
	753120-71-7	753120-72-8	753120-73-9	753120-74-0	753120-75-1
	753120-76-2	753120-77-3	753120-78-4	753120-79-5	753120-80-8
	753120-81-9	753120-82-0	753120-83-1	753120-84-2	753120-85-3
	753120-86-4	753120-87-5	753120-88-6	753120-89-7	753120-90-0
	753120-91-1	753120-92-2	753120-93-3	753120-94-4	753120-95-5
	753120-96-6	753120-97-7	753120-98-8	753120-99-9	753121-00-5
	753121-01-6	753121-02-7	753121-03-8	753121-04-9	753121-05-0
	753121-06-1	753121-07-2	753121-08-3	753121-09-4	753121-10-7
	753121-11-8	753121-12-9	753121-13-0	753121-14-1	753121-15-2
	753121-16-3	753121-17-4	753121-18-5	753121-19-6	753121-20-9
	753121-21-0	753121-22-1	753121-23-2	753121-24-3	753121-25-4
	753121-26-5	753121-27-6	753121-28-7	753121-29-8	753121-30-1
	753121-31-2	753121-32-3	753121-33-4	753121-34-5	753121-35-6
	753121-36-7	753121-37-8	753121-38-9	753121-39-0	753121-40-3
	753121-41-4	753121-42-5	753121-43-6	753121-44-7	753121-45-8
	753121-46-9	753121-47-0	753121-48-1	753121-49-2	753121-50-5
	753121-51-6	753121-52-7	753121-53-8	753121-54-9	753121-55-0
	753121-56-1	753121-57-2	753121-58-3	753121-59-4	753121-60-7
	753121-61-8	753121-62-9	753121-63-0	753121-64-1	753121-65-2
	753121-66-3	753121-67-4	753121-68-5	753121-69-6	753121-70-9
	753121-71-0	753121-72-1	753121-73-2	753121-74-3	753121-75-4
	753121-76-5	753121-77-6	753121-78-7	753121-79-8	753121-80-1
	753121-81-2	753121-82-3	753121-83-4	753121-84-5	753121-85-6
	753121-86-7	753121-87-8	753121-88-9	753121-89-0	753121-90-3
	753121-91-4	753121-92-5	753121-93-6	753121-94-7	753121-95-8
	753121-96-9	753121-97-0	753121-98-1	753121-99-2	753122-00-8
	753122-01-9	753122-02-0	753122-03-1	753122-04-2	753122-05-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753122-06-4	753122-07-5	753122-08-6	753122-09-7	753122-10-0
	753122-11-1	753122-12-2	753122-13-3	753122-14-4	753122-15-5
	753122-16-6	753122-17-7	753122-18-8	753122-19-9	753122-20-2
	753122-21-3	753122-22-4	753122-23-5	753122-24-6	753122-25-7
	753122-26-8	753122-27-9	753122-28-0	753122-29-1	753122-30-4

753122-31-5	753122-32-6	753122-33-7	753122-34-8	753122-35-9
753122-36-0	753122-37-1	753122-38-2	753122-39-3	753122-40-6
753122-41-7	753122-42-8	753122-43-9	753122-44-0	753122-45-1
753122-46-2	753122-47-3	753122-48-4	753122-49-5	753122-50-8
753122-51-9	753122-52-0	753122-53-1	753122-54-2	753122-55-3
753122-56-4	753122-57-5	753122-58-6	753122-59-7	753122-60-0
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753122-71-3	753122-72-4	753122-73-5	753122-74-6	753122-75-7
753122-76-8	753122-77-9	753122-78-0	753122-79-1	753122-80-4
753122-81-5	753122-82-6	753122-83-7	753122-84-8	753122-85-9
753122-86-0	753122-87-1	753122-88-2	753122-89-3	753122-90-6
753122-91-7	753122-92-8	753122-93-9	753122-94-0	753122-95-1
753122-96-2	753122-97-3	753122-98-4	753122-99-5	753123-00-1
753123-01-2	753123-02-3	753123-03-4	753123-04-5	753123-05-6
753123-06-7	753123-07-8	753123-08-9	753123-09-0	753123-10-3
753123-11-4	753123-12-5	753123-13-6	753123-14-7	753123-15-8
753123-16-9	753123-17-0	753123-18-1	753123-19-2	753123-20-5
753123-21-6	753123-22-7	753123-23-8	753123-24-9	753123-25-0
753123-26-1	753123-27-2	753123-28-3	753123-29-4	753123-30-7
753123-31-8	753123-32-9	753123-33-0	753123-34-1	753123-35-2
753123-36-3	753123-37-4	753123-38-5	753123-39-6	753123-40-9
753123-41-0	753123-42-1	753123-43-2	753123-44-3	753123-45-4
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753123-76-1	753123-77-2	753123-78-3	753123-79-4	753123-80-7
753123-81-8	753123-82-9	753123-83-0	753123-84-1	753123-85-2
753123-86-3	753123-87-4	753123-88-5	753123-89-6	753123-90-9
753123-91-0	753123-92-1	753123-93-2	753123-94-3	753123-95-4
753123-96-5	753123-97-6	753123-98-7	753123-99-8	753124-00-4
753124-01-5	753124-02-6	753124-03-7	753124-04-8	753124-05-9
753124-06-0	753124-07-1	753124-08-2	753124-09-3	753124-10-6
753124-11-7	753124-12-8	753124-13-9	753124-14-0	753124-15-1
753124-16-2	753124-17-3	753124-18-4	753124-19-5	753124-20-8
753124-21-9	753124-22-0	753124-23-1	753124-24-2	753124-25-3
753124-26-4	753124-27-5	753124-28-6	753124-29-7	753124-30-0
753124-31-1	753124-32-2	753124-33-3	753124-34-4	753124-35-5
753124-36-6	753124-37-7	753124-38-8	753124-39-9	753124-40-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753124-41-3	753124-42-4	753124-43-5	753124-44-6	753124-45-7
	753124-46-8	753124-47-9	753124-48-0	753124-49-1	753124-50-4
	753124-51-5	753124-52-6	753124-53-7	753124-54-8	753124-55-9
	753124-56-0	753124-57-1	753124-58-2	753124-59-3	753124-60-6
	753124-61-7	753124-62-8	753124-63-9	753124-64-0	753124-65-1
	753124-66-2	753124-67-3	753124-68-4	753124-69-5	753124-70-8
	753124-71-9	753124-72-0	753124-73-1	753124-74-2	753124-75-3
	753124-76-4	753124-77-5	753124-78-6	753124-79-7	753124-80-0
	753124-81-1	753124-82-2	753124-83-3	753124-84-4	753124-85-5
	753124-86-6	753124-87-7	753124-88-8	753124-89-9	753124-90-2
	753124-91-3	753124-92-4	753124-93-5	753124-94-6	753124-95-7
	753124-96-8	753124-97-9	753124-98-0	753124-99-1	753125-00-7
	753125-01-8	753125-02-9	753125-03-0	753125-04-1	753125-05-2
	753125-06-3	753125-07-4	753125-08-5	753125-09-6	753125-10-9
	753125-11-0	753125-12-1	753125-13-2	753125-14-3	753125-15-4
	753125-16-5	753125-17-6	753125-18-7	753125-19-8	753125-20-1
	753125-21-2	753125-22-3	753125-23-4	753125-24-5	753125-25-6
	753125-26-7	753125-27-8	753125-28-9	753125-29-0	753125-30-3
	753125-31-4	753125-32-5	753125-33-6	753125-34-7	753125-35-8
	753125-36-9	753125-37-0	753125-38-1	753125-39-2	753125-40-5

753125-41-6	753125-42-7	753125-43-8	753125-44-9	753125-45-0
753125-46-1	753125-47-2	753125-48-3	753125-49-4	753125-50-7
753125-51-8	753125-52-9	753125-53-0	753125-54-1	753125-55-2
753125-56-3	753125-57-4	753125-58-5	753125-59-6	753125-60-9
753125-61-0	753125-62-1	753125-63-2	753125-64-3	753125-65-4
753125-66-5	753125-67-6	753125-68-7	753125-69-8	753125-70-1
753125-71-2	753125-72-3	753125-73-4	753125-74-5	753125-75-6
753125-76-7	753125-77-8	753125-78-9	753125-79-0	753125-80-3
753125-81-4	753125-82-5	753125-83-6	753125-84-7	753125-85-8
753125-86-9	753125-87-0	753125-88-1	753125-89-2	753125-90-5
753125-91-6	753125-92-7	753125-93-8	753125-94-9	753125-95-0
753125-96-1	753125-97-2	753125-98-3	753125-99-4	753126-00-0
753126-01-1	753126-02-2	753126-03-3	753126-04-4	753126-05-5
753126-06-6	753126-07-7	753126-08-8	753126-09-9	753126-10-2
753126-11-3	753126-12-4	753126-13-5	753126-14-6	753126-15-7
753126-16-8	753126-17-9	753126-18-0	753126-19-1	753126-20-4
753126-21-5	753126-22-6	753126-23-7	753126-24-8	753126-25-9
753126-26-0	753126-27-1	753126-28-2	753126-29-3	753126-30-6
753126-31-7	753126-32-8	753126-33-9	753126-34-0	753126-35-1
753126-36-2	753126-37-3	753126-38-4	753126-39-5	753126-40-8
753126-41-9	753126-42-0	753126-43-1	753126-44-2	753126-45-3
753126-46-4	753126-47-5	753126-48-6	753126-49-7	753126-50-0
753126-51-1	753126-52-2	753126-53-3	753126-54-4	753126-55-5
753126-56-6	753126-57-7	753126-58-8	753126-59-9	753126-60-2
753126-61-3	753126-62-4	753126-63-5	753126-64-6	753126-65-7
753126-66-8	753126-67-9	753126-68-0	753126-69-1	753126-70-4
753126-71-5	753126-72-6	753126-73-7	753126-74-8	753126-75-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753126-76-0	753126-77-1	753126-78-2	753126-79-3	753126-80-6
	753126-81-7	753126-82-8	753126-83-9	753126-84-0	753126-85-1
	753126-86-2	753126-87-3	753126-88-4	753126-89-5	753126-90-8
	753126-91-9	753126-92-0	753126-93-1	753126-94-2	753126-95-3
	753126-96-4	753126-97-5	753126-98-6	753126-99-7	753127-00-3
	753127-01-4	753127-02-5	753127-03-6	753127-04-7	753127-05-8
	753127-06-9	753127-07-0	753127-08-1	753127-09-2	753127-10-5
	753127-11-6	753127-12-7	753127-13-8	753127-14-9	753127-15-0
	753127-16-1	753127-17-2	753127-18-3	753127-19-4	753127-20-7
	753127-21-8	753127-22-9	753127-23-0	753127-24-1	753127-25-2
	753127-26-3	753127-27-4	753127-28-5	753127-29-6	753127-30-9
	753127-31-0	753127-32-1	753127-33-2	753127-34-3	753127-35-4
	753127-36-5	753127-37-6	753127-38-7	753127-39-8	753127-40-1
	753127-41-2	753127-42-3	753127-43-4	753127-44-5	753127-45-6
	753127-46-7	753127-47-8	753127-48-9	753127-49-0	753127-50-3
	753127-51-4	753127-52-5	753127-53-6	753127-54-7	753127-55-8
	753127-56-9	753127-57-0	753127-58-1	753127-59-2	753127-60-5
	753127-61-6	753127-62-7	753127-63-8	753127-64-9	753127-65-0
	753127-66-1	753127-67-2	753127-68-3	753127-69-4	753127-70-7
	753127-71-8	753127-72-9	753127-73-0	753127-74-1	753127-75-2
	753127-76-3	753127-77-4	753127-78-5	753127-79-6	753127-80-9
	753127-81-0	753127-82-1	753127-83-2	753127-84-3	753127-85-4
	753127-86-5	753127-87-6	753127-88-7	753127-89-8	753127-90-1
	753127-91-2	753127-92-3	753127-93-4	753127-94-5	753127-95-6
	753127-96-7	753127-97-8	753127-98-9	753127-99-0	753128-00-6
	753128-01-7	753128-02-8	753128-03-9	753128-04-0	753128-05-1
	753128-06-2	753128-07-3	753128-08-4	753128-09-5	753128-10-8
	753128-11-9	753128-12-0	753128-13-1	753128-14-2	753128-15-3
	753128-16-4	753128-17-5	753128-18-6	753128-19-7	753128-20-0
	753128-21-1	753128-22-2	753128-23-3	753128-24-4	753128-25-5
	753128-26-6	753128-27-7	753128-28-8	753128-29-9	753128-30-2
	753128-31-3	753128-32-4	753128-33-5	753128-34-6	753128-35-7
	753128-36-8	753128-37-9	753128-38-0	753128-39-1	753128-40-4
	753128-41-5	753128-42-6	753128-43-7	753128-44-8	753128-45-9
	753128-46-0	753128-47-1	753128-48-2	753128-49-3	753128-50-6

753128-51-7	753128-52-8	753128-53-9	753128-54-0	753128-55-1
753128-56-2	753128-57-3	753128-58-4	753128-59-5	753128-60-8
753128-61-9	753128-62-0	753128-63-1	753128-64-2	753128-65-3
753128-66-4	753128-67-5	753128-68-6	753128-69-7	753128-70-0
753128-71-1	753128-72-2	753128-73-3	753128-74-4	753128-75-5
753128-76-6	753128-77-7	753128-78-8	753128-79-9	753128-80-2
753128-81-3	753128-82-4	753128-83-5	753128-84-6	753128-85-7
753128-86-8	753128-87-9	753128-88-0	753128-89-1	753128-90-4
753128-91-5	753128-92-6	753128-93-7	753128-94-8	753128-95-9
753128-96-0	753128-97-1	753128-98-2	753128-99-3	753129-00-9
753129-01-0	753129-02-1	753129-03-2	753129-04-3	753129-05-4
753129-06-5	753129-07-6	753129-08-7	753129-09-8	753129-10-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753129-11-2	753129-12-3	753129-13-4	753129-14-5	753129-15-6
	753129-16-7	753129-17-8	753129-18-9	753129-19-0	753129-20-3
	753129-21-4	753129-22-5	753129-23-6	753129-24-7	753129-25-8
	753129-26-9	753129-27-0	753129-28-1	753129-29-2	753129-30-5
	753129-31-6	753129-32-7	753129-33-8	753129-34-9	753129-35-0
	753129-36-1	753129-37-2	753129-38-3	753129-39-4	753129-40-7
	753129-41-8	753129-42-9	753129-43-0	753129-44-1	753129-45-2
	753129-46-3	753129-47-4	753129-48-5	753129-49-6	753129-50-9
	753129-51-0	753129-52-1	753129-53-2	753129-54-3	753129-55-4
	753129-56-5	753129-57-6	753129-58-7	753129-59-8	753129-60-1
	753129-61-2	753129-62-3	753129-63-4	753129-64-5	753129-65-6
	753129-66-7	753129-67-8	753129-68-9	753129-69-0	753129-70-3
	753129-71-4	753129-72-5	753129-73-6	753129-74-7	753129-75-8
	753129-76-9	753129-77-0	753129-78-1	753129-79-2	753129-80-5
	753129-81-6	753129-82-7	753129-83-8	753129-84-9	753129-85-0
	753129-86-1	753129-87-2	753129-88-3	753129-89-4	753129-90-7
	753129-91-8	753129-92-9	753129-93-0	753129-94-1	753129-95-2
	753129-96-3	753129-97-4	753129-98-5	753129-99-6	753130-00-6
	753130-01-7	753130-02-8	753130-03-9	753130-04-0	753130-05-1
	753130-06-2	753130-07-3	753130-08-4	753130-09-5	753130-10-8
	753130-11-9	753130-12-0	753130-13-1	753130-14-2	753130-15-3
	753130-16-4	753130-17-5	753130-18-6	753130-19-7	753130-20-0
	753130-21-1	753130-22-2	753130-23-3	753130-24-4	753130-25-5
	753130-26-6	753130-27-7	753130-28-8	753130-29-9	753130-30-2
	753130-31-3	753130-32-4	753130-33-5	753130-34-6	753130-35-7
	753130-36-8	753130-37-9	753130-38-0	753130-39-1	753130-40-4
	753130-41-5	753130-42-6	753130-43-7	753130-44-8	753130-45-9
	753130-46-0	753130-47-1	753130-48-2	753130-49-3	753130-50-6
	753130-51-7	753130-52-8	753130-53-9	753130-54-0	753130-55-1
	753130-56-2	753130-57-3	753130-58-4	753130-59-5	753130-60-8
	753130-61-9	753130-62-0	753130-63-1	753130-64-2	753130-65-3
	753130-66-4	753130-67-5	753130-68-6	753130-69-7	753130-70-0
	753130-71-1	753130-72-2	753130-73-3	753130-74-4	753130-75-5
	753130-76-6	753130-77-7	753130-78-8	753130-79-9	753130-80-2
	753130-81-3	753130-82-4	753130-83-5	753130-84-6	753130-85-7
	753130-86-8	753130-87-9	753130-88-0	753130-89-1	753130-90-4
	753130-91-5	753130-92-6	753130-93-7	753130-94-8	753130-95-9
	753130-96-0	753130-97-1	753130-98-2	753130-99-3	753131-00-9
	753131-01-0	753131-02-1	753131-03-2	753131-04-3	753131-05-4
	753131-06-5	753131-07-6	753131-08-7	753131-09-8	753131-10-1
	753131-11-2	753131-12-3	753131-13-4	753131-14-5	753131-15-6
	753131-16-7	753131-17-8	753131-18-9	753131-19-0	753131-20-3
	753131-21-4	753131-22-5	753131-23-6	753131-24-7	
	753131-25-8	753131-26-9	753131-27-0	753131-28-1	
	753131-29-2	753131-30-5	753131-31-6	753131-32-7	753131-33-8
	753131-34-9	753131-35-0	753131-36-1	753131-37-2	753131-38-3
	753131-39-4	753131-40-7	753131-41-8	753131-42-9	753131-43-0
	753131-44-1	753131-45-2			

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT	753131-46-3	753131-47-4	753131-48-5	753131-49-6	753131-50-9
	753131-51-0	753131-52-1	753131-53-2	753131-54-3	753131-55-4
	753131-56-5	753131-57-6	753131-58-7	753131-59-8	753131-60-1
	753131-61-2	753131-62-3	753131-63-4	753131-64-5	753131-65-6
	753131-66-7	753131-67-8	753131-68-9	753131-69-0	753131-70-3
	753131-71-4	753131-72-5	753131-73-6	753131-74-7	753131-75-8
	753131-76-9	753131-77-0	753131-78-1	753131-79-2	753131-80-5
	753131-81-6	753131-82-7	753131-83-8	753131-84-9	753131-85-0
	753131-86-1	753131-87-2	753131-88-3	753131-89-4	753131-90-7
	753131-91-8	753131-92-9	753131-93-0	753131-94-1	753131-95-2
	753131-96-3	753131-97-4	753131-98-5	753131-99-6	753132-00-2
	753132-01-3	753132-02-4	753132-03-5	753132-04-6	753132-05-7
	753132-06-8	753132-07-9	753132-08-0	753132-09-1	753132-10-4
	753132-11-5	753132-12-6	753132-13-7	753132-14-8	753132-15-9
	753132-16-0	753132-17-1	753132-18-2	753132-19-3	753132-20-6
	753132-21-7	753132-22-8	753132-23-9	753132-24-0	753132-25-1
	753132-26-2	753132-27-3	753132-28-4	753132-29-5	753132-30-8
	753132-31-9	753132-32-0	753132-33-1	753132-34-2	753132-35-3
	753132-36-4	753132-37-5	753132-38-6	753132-39-7	753132-40-0
	753132-41-1	753132-42-2	753132-43-3	753132-44-4	753132-45-5
	753132-46-6	753132-47-7	753132-48-8	753132-49-9	753132-50-2
	753132-51-3	753132-52-4	753132-53-5	753132-54-6	753132-55-7
	753132-56-8	753132-57-9	753132-58-0	753132-59-1	753132-60-4
	753132-61-5	753132-62-6	753132-63-7	753132-64-8	753132-65-9
	753132-66-0	753132-67-1	753132-68-2	753132-69-3	753132-70-6
	753132-71-7	753132-72-8	753132-73-9	753132-74-0	753132-75-1
	753132-76-2	753132-77-3	753132-78-4	753132-79-5	753132-80-8
	753132-81-9	753132-82-0	753132-83-1	753132-84-2	753132-85-3
	753132-86-4	753132-87-5	753132-88-6	753132-89-7	753132-90-0
	753132-91-1	753132-92-2	753132-93-3	753132-94-4	753132-95-5
	753132-96-6	753132-97-7	753132-98-8	753132-99-9	753133-00-5
	753133-01-6	753133-02-7	753133-03-8	753133-04-9	753133-05-0
	753133-06-1	753133-07-2	753133-08-3	753133-09-4	753133-10-7
	753133-11-8	753133-12-9	753133-13-0	753133-14-1	753133-15-2
	753133-16-3	753133-17-4	753133-18-5	753133-19-6	753133-20-9
	753133-21-0	753133-22-1	753133-23-2	753133-24-3	753133-25-4
	753133-26-5	753133-27-6	753133-28-7	753133-29-8	753133-30-1
	753133-31-2	753133-32-3	753133-33-4	753133-34-5	753133-35-6
	753133-36-7	753133-37-8	753133-38-9	753133-39-0	753133-40-3
	753133-41-4	753133-42-5	753133-43-6	753133-44-7	753133-45-8
	753133-46-9	753133-47-0	753133-48-1	753133-49-2	753133-50-5
	753133-51-6	753133-52-7	753133-53-8	753133-54-9	753133-55-0
	753133-56-1	753133-57-2	753133-58-3	753133-59-4	753133-60-7
	753133-61-8	753133-62-9	753133-63-0	753133-64-1	753133-65-2
	753133-66-3	753133-67-4	753133-68-5	753133-69-6	753133-70-9
	753133-71-0	753133-72-1	753133-73-2	753133-74-3	753133-75-4
	753133-76-5	753133-77-6	753133-78-7	753133-79-8	753133-80-1

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT	753133-81-2	753133-82-3	753133-83-4	753133-84-5	753133-85-6
	753133-86-7	753133-87-8	753133-88-9	753133-89-0	753133-90-3
	753133-91-4	753133-92-5	753133-93-6	753133-94-7	753133-95-8
	753133-96-9	753133-97-0	753133-98-1	753133-99-2	753134-00-8
	753134-01-9	753134-02-0	753134-03-1	753134-04-2	753134-05-3
	753134-06-4	753134-07-5	753134-08-6	753134-09-7	753134-10-0
	753134-11-1	753134-12-2	753134-13-3	753134-14-4	753134-15-5
	753134-16-6	753134-17-7	753134-18-8	753134-19-9	753134-20-2
	753134-21-3	753134-22-4	753134-23-5	753134-24-6	753134-25-7
	753134-26-8	753134-27-9	753134-28-0	753134-29-1	753134-30-4
	753134-31-5	753134-32-6	753134-33-7	753134-34-8	753134-35-9
	753134-36-0	753134-37-1	753134-38-2	753134-39-3	753134-40-6
	753134-41-7	753134-42-8	753134-43-9	753134-44-0	753134-45-1

753134-46-2	753134-47-3	753134-48-4	753134-49-5	753134-50-8
753134-51-9	753134-52-0	753134-53-1	753134-54-2	753134-55-3
753134-56-4	753134-57-5	753134-58-6	753134-59-7	753134-60-0
753134-61-1	753134-62-2	753134-63-3	753134-64-4	753134-65-5
753134-66-6	753134-67-7	753134-68-8	753134-69-9	753134-70-2
753134-71-3	753134-72-4	753134-73-5	753134-74-6	753134-75-7
753134-76-8	753134-77-9	753134-78-0	753134-79-1	753134-80-4
753134-81-5	753134-82-6	753134-83-7	753134-84-8	753134-85-9
753134-86-0	753134-87-1	753134-88-2	753134-89-3	753134-90-6
753134-91-7	753134-92-8	753134-93-9	753134-94-0	753134-95-1
753134-96-2	753134-97-3	753134-98-4	753134-99-5	753135-00-1
753135-01-2	753135-02-3	753135-03-4	753135-04-5	753135-05-6
753135-06-7	753135-07-8	753135-08-9	753135-09-0	753135-10-3
753135-11-4	753135-12-5	753135-13-6	753135-14-7	753135-15-8
753135-16-9	753135-17-0	753135-18-1	753135-19-2	753135-20-5
753135-21-6	753135-22-7	753135-23-8	753135-24-9	753135-25-0
753135-26-1	753135-27-2	753135-28-3	753135-29-4	753135-30-7
753135-31-8	753135-32-9	753135-33-0	753135-34-1	753135-35-2
753135-36-3	753135-37-4	753135-38-5	753135-39-6	753135-40-9
753135-41-0	753135-42-1	753135-43-2	753135-44-3	753135-45-4
753135-46-5	753135-47-6	753135-48-7	753135-49-8	753135-50-1
753135-51-2	753135-52-3	753135-53-4	753135-54-5	753135-55-6
753135-56-7	753135-57-8	753135-58-9	753135-59-0	753135-60-3
753135-61-4	753135-62-5	753135-63-6	753135-64-7	753135-65-8
753135-66-9	753135-67-0	753135-68-1	753135-69-2	753135-70-5
753135-71-6	753135-72-7	753135-73-8	753135-74-9	753135-75-0
753135-76-1	753135-77-2	753135-78-3	753135-79-4	753135-80-7
753135-81-8	753135-82-9	753135-83-0	753135-84-1	753135-85-2
753135-86-3	753135-87-4	753135-88-5	753135-89-6	753135-90-9
753135-91-0	753135-92-1	753135-93-2	753135-94-3	753135-95-4
753135-96-5	753135-97-6	753135-98-7	753135-99-8	753136-00-4
753136-01-5	753136-02-6	753136-03-7	753136-04-8	753136-05-9
753136-06-0	753136-07-1	753136-08-2	753136-09-3	
753136-10-6	753136-11-7	753136-12-8	753136-13-9	753136-14-0
753136-15-1				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 753136-16-2	753136-17-3	753136-18-4	753136-19-5	753136-20-8
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753136-26-4	753136-27-5	753136-28-6	753136-29-7	753136-30-0
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753136-36-6	753136-37-7	753136-38-8	753136-39-9	753136-40-2
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753136-46-8	753136-47-9	753136-48-0	753136-49-1	753136-50-4
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753138-51-1	753138-52-2	753138-53-3	753138-54-4	753138-55-5
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	753139-06-9	753139-07-0	753139-08-1	753139-09-2	753139-10-5
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)

(improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 753131-23-6 753131-28-1 753136-06-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

RN 753131-23-6 HCAPLUS

CN Protein (sorghum clone 7217622.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 YTLVCIYFGG CFIHGHLTI GIFSYPIRFW SKGTKRAFFP PHEGFLGSKG  
51 AWIK

RN 753131-28-1 HCAPLUS

CN Protein (sorghum clone 7217719.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 TRQPSALNSF QEHSLOSSVN TLRAVIAAAA QPTAGKIADV FGRVELICVS  
51 VFFYTIGTVI EAVAQNLDY SAGAVIYQIG YTMILLLVEV IIGDITSVRS  
101 RLFFSYIPAL PFIINTWVSG DVAEAVLGAT TWRWGIGMWC IIYPVCSLPL  
151 IISLLVVGHR A

RN 753136-06-0 HCAPLUS

CN Protein (sorghum clone 7535569.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 TRLRSISLSS SFAWDPOCLI PPRNGRSSGC QNPSYLYACY KLVTCLLPPL  
51 IWFYCFSGSL ISACFLSFLV YDCSGTKKGS FSMFKTTCV

L12 ANSWER 8 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:770972 HCAPLUS

DN 141:255539

ED Entered STN: 22 Sep 2004

TI Sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants

IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei

PA USA

SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147, abandoned.

CODEN: USXXCO

DT Patent

LA English

IC A01H001-00; C12N015-82; C07H021-04; C12N009-24

INCL 800284000; 435200000; 536023200; 435468000

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 11

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24
	INCL	800284000; 435200000; 536023200; 435468000
US 2004172684	NCL	800/284.000 <--
US 2004172684	NCL	800/284.000 <--
	ECLA	C07K014/415; C12N015/82

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index

entries required to fully index the document and publication system constraints.]

ST sorghum cDNA protein sequence plant transformation

IT Stress, plant  
(cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Cell cycle  
(growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(heat, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Recombination, genetic  
(homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Growth regulators, plant  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Pathogen  
(improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Carbohydrates, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Disease resistance, plant  
Growth and development, plant  
Herbicide resistance  
(improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Fats and Glyceridic oils, preparation  
Proteins  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Transcription factors  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Embryophyta  
Protein sequences  
Sorghum bicolor  
Transformation, genetic  
cDNA sequences  
(sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(water deficiency, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Photosynthesis, biological  
(yield improvement by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(yield improvement in; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 753001-41-1 753001-42-2 753001-43-3 753001-44-4 753001-45-5  
753001-46-6 753001-47-7 753001-48-8 753001-49-9 753001-50-2  
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753001-56-8 753001-57-9 753039-50-8 753039-51-9 753039-52-0

753039-53-1	753039-54-2	753039-55-3	753039-56-4	753039-57-5
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753039-68-8	753039-69-9	753039-70-2	753039-71-3	753039-72-4
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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753043-88-8	753043-89-9	753043-90-2	753043-91-3	753043-92-4
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753043-98-0	753043-99-1	753044-00-7	753044-01-8	753044-02-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753044-03-0	753044-04-1	753044-05-2	753044-06-3	753044-07-4
	753044-08-5	753044-09-6	753044-10-9	753044-11-0	753044-12-1
	753044-13-2	753044-14-3	753044-15-4	753044-16-5	753044-17-6
	753044-18-7	753044-19-8	753044-20-1	753044-21-2	753044-22-3
	753044-23-4	753044-24-5	753044-25-6	753044-26-7	753044-27-8
	753044-28-9	753044-29-0	753044-30-3	753044-31-4	753044-32-5
	753044-33-6	753044-34-7	753044-35-8	753044-36-9	753044-37-0
	753044-38-1	753044-39-2	753044-40-5	753044-41-6	753044-42-7
	753044-43-8	753044-44-9	753044-45-0	753044-46-1	753044-47-2
	753044-48-3	753044-49-4	753044-50-7	753044-51-8	753044-52-9
	753044-53-0	753044-54-1	753044-55-2	753044-56-3	753044-57-4
	753044-58-5	753044-59-6	753044-60-9	753044-61-0	753044-62-1
	753044-63-2	753044-64-3	753044-65-4	753044-66-5	753044-67-6
	753044-68-7	753044-69-8	753044-70-1	753044-71-2	753044-72-3
	753044-73-4	753044-74-5	753044-75-6	753044-76-7	753044-77-8
	753044-78-9	753044-79-0	753044-80-3	753044-81-4	753044-82-5
	753044-83-6	753044-84-7	753044-85-8	753044-86-9	753044-87-0
	753044-88-1	753044-89-2	753044-90-5	753044-91-6	753044-92-7
	753044-93-8	753044-94-9	753044-95-0	753044-96-1	753044-97-2
	753044-98-3	753044-99-4	753045-00-0	753045-01-1	753045-02-2
	753045-03-3	753045-04-4	753045-05-5	753045-06-6	753045-07-7
	753045-08-8	753045-09-9	753045-10-2	753045-11-3	753045-12-4
	753045-13-5	753045-14-6	753045-15-7	753045-16-8	753045-17-9
	753045-18-0	753045-19-1	753045-20-4	753045-21-5	753045-22-6
	753045-23-7	753045-24-8	753045-25-9	753045-26-0	753045-27-1
	753045-28-2	753045-29-3	753045-30-6	753045-31-7	753045-32-8
	753045-33-9	753045-34-0	753045-35-1	753045-36-2	753045-37-3
	753045-38-4	753045-39-5	753045-40-8	753045-41-9	753045-42-0
	753045-43-1	753045-44-2	753045-45-3	753045-46-4	753045-47-5
	753045-48-6	753045-49-7	753045-50-0	753045-51-1	753045-52-2
	753045-53-3	753045-54-4	753045-55-5	753045-56-6	753045-57-7
	753045-58-8	753045-59-9	753045-60-2	753045-61-3	753045-62-4
	753045-63-5	753045-64-6	753045-65-7	753045-66-8	753045-67-9
	753045-68-0	753045-69-1	753045-70-4	753045-71-5	753045-72-6

753045-73-7	753045-74-8	753045-75-9	753045-76-0	753045-77-1
753045-78-2	753045-79-3	753045-80-6	753045-81-7	753045-82-8
753045-83-9	753045-84-0	753045-85-1	753045-86-2	753045-87-3
753045-88-4	753045-89-5	753045-90-8	753045-91-9	753045-92-0
753045-93-1	753045-94-2	753045-95-3	753045-96-4	753045-97-5
753045-98-6	753045-99-7	753046-00-3	753046-01-4	753046-02-5
753046-03-6	753046-04-7	753046-05-8	753046-06-9	753046-07-0
753046-08-1	753046-09-2	753046-10-5	753046-11-6	753046-12-7
753046-13-8	753046-14-9	753046-15-0	753046-16-1	753046-17-2
753046-18-3	753046-19-4	753046-20-7	753046-21-8	753046-22-9
753046-23-0	753046-24-1	753046-25-2	753046-26-3	753046-27-4
753046-28-5	753046-29-6	753046-30-9	753046-31-0	753046-32-1
753046-33-2	753046-34-3	753046-35-4	753046-36-5	753046-37-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753046-38-7	753046-39-8	753046-40-1	753046-41-2	753046-42-3
	753046-43-4	753046-44-5	753046-45-6	753046-46-7	753046-47-8
	753046-48-9	753046-49-0	753046-50-3	753046-51-4	753046-52-5
	753046-53-6	753046-54-7	753046-55-8	753046-56-9	753046-57-0
	753046-58-1	753046-59-2	753046-60-5	753046-61-6	753046-62-7
	753046-63-8	753046-64-9	753046-65-0	753046-66-1	753046-67-2
	753046-68-3	753046-69-4	753046-70-7	753046-71-8	753046-72-9
	753046-73-0	753046-74-1	753046-75-2	753046-76-3	753046-77-4
	753046-78-5	753046-79-6	753046-80-9	753046-81-0	753046-82-1
	753046-83-2	753046-84-3	753046-85-4	753046-86-5	753046-87-6
	753046-88-7	753046-89-8	753046-90-1	753046-91-2	753046-92-3
	753046-93-4	753046-94-5	753046-95-6	753046-96-7	753046-97-8
	753046-98-9	753046-99-0	753047-00-6	753047-01-7	753047-02-8
	753047-03-9	753047-04-0	753047-05-1	753047-06-2	753047-07-3
	753047-08-4	753047-09-5	753047-10-8	753047-11-9	753047-12-0
	753047-13-1	753047-14-2	753047-15-3	753047-16-4	753047-17-5
	753047-18-6	753047-19-7	753047-20-0	753047-21-1	753047-22-2
	753047-23-3	753047-24-4	753047-25-5	753047-26-6	753047-27-7
	753047-28-8	753047-29-9	753047-30-2	753047-31-3	753047-32-4
	753047-33-5	753047-34-6	753047-35-7	753047-36-8	753047-37-9
	753047-38-0	753047-39-1	753047-40-4	753047-41-5	753047-42-6
	753047-43-7	753047-44-8	753047-45-9	753047-46-0	753047-47-1
	753047-48-2	753047-49-3	753047-50-6	753047-51-7	753047-52-8
	753047-53-9	753047-54-0	753047-55-1	753047-56-2	753047-57-3
	753047-58-4	753047-59-5	753047-60-8	753047-61-9	753047-62-0
	753047-63-1	753047-64-2	753047-65-3	753047-66-4	753047-67-5
	753047-68-6	753047-69-7	753047-70-0	753047-71-1	753047-72-2
	753047-73-3	753047-74-4	753047-75-5	753047-76-6	753047-77-7
	753047-78-8	753047-79-9	753047-80-2	753047-81-3	753047-82-4
	753047-83-5	753047-84-6	753047-85-7	753047-86-8	753047-87-9
	753047-88-0	753047-89-1	753047-90-4	753047-91-5	753047-92-6
	753047-93-7	753047-94-8	753047-95-9	753047-96-0	753047-97-1
	753047-98-2	753047-99-3	753048-00-9	753048-01-0	753048-02-1
	753048-03-2	753048-04-3	753048-05-4	753048-06-5	753048-07-6
	753048-08-7	753048-09-8	753048-10-1	753048-11-2	753048-12-3
	753048-13-4	753048-14-5	753048-15-6	753048-16-7	753048-17-8
	753048-18-9	753048-19-0	753048-20-3	753048-21-4	753048-22-5
	753048-23-6	753048-24-7	753048-25-8	753048-26-9	753048-27-0
	753048-28-1	753048-29-2	753048-30-5	753048-31-6	753048-32-7
	753048-33-8	753048-34-9	753048-35-0	753048-36-1	753048-37-2
	753048-38-3	753048-39-4	753048-40-7	753048-41-8	753048-42-9
	753048-43-0	753048-44-1	753048-45-2	753048-46-3	753048-47-4
	753048-48-5	753048-49-6	753048-50-9	753048-51-0	753048-52-1
	753048-53-2	753048-54-3	753048-55-4	753048-56-5	753048-57-6
	753048-58-7	753048-59-8	753048-60-1	753048-61-2	753048-62-3
	753048-63-4	753048-64-5	753048-65-6	753048-66-7	753048-67-8
	753048-68-9	753048-69-0	753048-70-3	753048-71-4	753048-72-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT	753048-73-6	753048-74-7	753048-75-8	753048-76-9	753048-77-0
	753048-78-1	753048-79-2	753048-80-5	753048-81-6	753048-82-7
	753048-83-8	753048-84-9	753048-85-0	753048-86-1	753048-87-2
	753048-88-3	753048-89-4	753048-90-7	753048-91-8	753048-92-9
	753048-93-0	753048-94-1	753048-95-2	753048-96-3	753048-97-4
	753048-98-5	753048-99-6	753049-00-2	753049-01-3	753049-02-4
	753049-03-5	753049-04-6	753049-05-7	753049-06-8	753049-07-9
	753049-08-0	753049-09-1	753049-10-4	753049-11-5	753049-12-6
	753049-13-7	753049-14-8	753049-15-9	753049-16-0	753049-17-1
	753049-18-2	753049-19-3	753049-20-6	753049-21-7	753049-22-8
	753049-23-9	753049-24-0	753049-25-1	753049-26-2	753049-27-3
	753049-28-4	753049-29-5	753049-30-8	753049-31-9	753049-32-0
	753049-33-1	753049-34-2	753049-35-3	753049-36-4	753049-37-5
	753049-38-6	753049-39-7	753049-40-0	753049-41-1	753049-42-2
	753049-43-3	753049-44-4	753049-45-5	753049-46-6	753049-47-7
	753049-48-8	753049-49-9	753049-50-2	753049-51-3	753049-52-4
	753049-53-5	753049-54-6	753049-55-7	753049-56-8	753049-57-9
	753049-58-0	753049-59-1	753049-60-4	753049-61-5	753049-62-6
	753049-63-7	753049-64-8	753049-65-9	753049-66-0	753049-67-1
	753049-68-2	753049-69-3	753049-70-6	753049-71-7	753049-72-8
	753049-73-9	753049-74-0	753049-75-1	753049-76-2	753049-77-3
	753049-78-4	753049-79-5	753049-80-8	753049-81-9	753049-82-0
	753049-83-1	753049-84-2	753049-85-3	753049-86-4	753049-87-5
	753049-88-6	753049-89-7	753049-90-0	753049-91-1	753049-92-2
	753049-93-3	753049-94-4	753049-95-5	753049-96-6	753049-97-7
	753049-98-8	753049-99-9	753050-00-9	753050-01-0	753050-02-1
	753050-03-2	753050-04-3	753050-05-4	753050-06-5	753050-07-6
	753050-08-7	753050-09-8	753050-10-1	753050-11-2	753050-12-3
	753050-13-4	753050-14-5	753050-15-6	753050-16-7	753050-17-8
	753050-18-9	753050-19-0	753050-20-3	753050-21-4	753050-22-5
	753050-23-6	753050-24-7	753050-25-8	753050-26-9	753050-27-0
	753050-28-1	753050-29-2	753050-30-5	753050-31-6	753050-32-7
	753050-33-8	753050-34-9	753050-35-0	753050-36-1	753050-37-2
	753050-38-3	753050-39-4	753050-40-7	753050-41-8	753050-42-9
	753050-43-0	753050-44-1	753050-45-2	753050-46-3	753050-47-4
	753050-48-5	753050-49-6	753050-50-9	753050-51-0	753050-52-1
	753050-53-2	753050-54-3	753050-55-4	753050-56-5	753050-57-6
	753050-58-7	753050-59-8	753050-60-1	753050-61-2	753050-62-3
	753050-63-4	753050-64-5	753050-65-6	753050-66-7	753050-67-8
	753050-68-9	753050-69-0	753050-70-3	753050-71-4	753050-72-5
	753050-73-6	753050-74-7	753050-75-8	753050-76-9	753050-77-0
	753050-78-1	753050-79-2	753050-80-5	753050-81-6	753050-82-7
	753050-83-8	753050-84-9	753050-85-0	753050-86-1	753050-87-2
	753050-88-3	753050-89-4	753050-90-7	753050-91-8	753050-92-9
	753050-93-0	753050-94-1	753050-95-2	753050-96-3	753050-97-4
	753050-98-5	753050-99-6	753051-00-2	753051-01-3	753051-02-4
	753051-03-5	753051-04-6	753051-05-7	753051-06-8	753051-07-9

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT	753051-08-0	753051-09-1	753051-10-4	753051-11-5	753051-12-6
	753051-13-7	753051-14-8	753051-15-9	753051-16-0	753051-17-1
	753051-18-2	753051-19-3	753051-20-6	753051-21-7	753051-22-8
	753051-23-9	753051-24-0	753051-25-1	753051-26-2	753051-27-3
	753051-28-4	753051-29-5	753051-30-8	753051-31-9	753051-32-0
	753051-33-1	753051-34-2	753051-35-3	753051-36-4	753051-37-5
	753051-38-6	753051-39-7	753051-40-0	753051-41-1	753051-42-2
	753051-43-3	753051-44-4	753051-45-5	753051-46-6	753051-47-7
	753051-48-8	753051-49-9	753051-50-2	753051-51-3	753051-52-4
	753051-53-5	753051-54-6	753051-55-7	753051-56-8	753051-57-9
	753051-58-0	753051-59-1	753051-60-4	753051-61-5	753051-62-6
	753051-63-7	753051-64-8	753051-65-9	753051-66-0	753051-67-1
	753051-68-2	753051-69-3	753051-70-6	753051-71-7	753051-72-8

753051-73-9	753051-74-0	753051-75-1	753051-76-2	753051-77-3
753051-78-4	753051-79-5	753051-80-8	753051-81-9	753051-82-0
753051-83-1	753051-84-2	753051-85-3	753051-86-4	753051-87-5
753051-88-6	753051-89-7	753051-90-0	753051-91-1	753051-92-2
753051-93-3	753051-94-4	753051-95-5	753051-96-6	753051-97-7
753051-98-8	753051-99-9	753052-00-5	753052-01-6	753052-02-7
753052-03-8	753052-04-9	753052-05-0	753052-06-1	753052-07-2
753052-08-3	753052-09-4	753052-10-7	753052-11-8	753052-12-9
753052-13-0	753052-14-1	753052-15-2	753052-16-3	753052-17-4
753052-18-5	753052-19-6	753052-20-9	753052-21-0	753052-22-1
753052-23-2	753052-24-3	753052-25-4	753052-26-5	753052-27-6
753052-28-7	753052-29-8	753052-30-1	753052-31-2	753052-32-3
753052-33-4	753052-34-5	753052-35-6	753052-36-7	753052-37-8
753052-38-9	753052-39-0	753052-40-3	753052-41-4	753052-42-5
753052-43-6	753052-44-7	753052-45-8	753052-46-9	753052-47-0
753052-48-1	753052-49-2	753052-50-5	753052-51-6	753052-52-7
753052-53-8	753052-54-9	753052-55-0	753052-56-1	753052-57-2
753052-58-3	753052-59-4	753052-60-7	753052-61-8	753052-62-9
753052-63-0	753052-64-1	753052-65-2	753052-66-3	753052-67-4
753052-68-5	753052-69-6	753052-70-9	753052-71-0	753052-72-1
753052-73-2	753052-74-3	753052-75-4	753052-76-5	753052-77-6
753052-78-7	753052-79-8	753052-80-1	753052-81-2	753052-82-3
753052-83-4	753052-84-5	753052-85-6	753052-86-7	753052-87-8
753052-88-9	753052-89-0	753052-90-3	753052-91-4	753052-92-5
753052-93-6	753052-94-7	753052-95-8	753052-96-9	753052-97-0
753052-98-1	753052-99-2	753053-00-8	753053-01-9	753053-02-0
753053-03-1	753053-04-2	753053-05-3	753053-06-4	753053-07-5
753053-08-6	753053-09-7	753053-10-0	753053-11-1	753053-12-2
753053-13-3	753053-14-4	753053-15-5	753053-16-6	753053-17-7
753053-18-8	753053-19-9	753053-20-2	753053-21-3	753053-22-4
753053-23-5	753053-24-6	753053-25-7	753053-26-8	753053-27-9
753053-28-0	753053-29-1	753053-30-4	753053-31-5	753053-32-6
753053-33-7	753053-34-8	753053-35-9	753053-36-0	753053-37-1
753053-38-2	753053-39-3	753053-40-6	753053-41-7	753053-42-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 753053-43-9	753053-44-0	753053-45-1	753053-46-2	753053-47-3
753053-48-4	753053-49-5	753053-50-8	753053-51-9	753053-52-0
753053-53-1	753053-54-2	753053-55-3	753053-56-4	753053-57-5
753053-58-6	753053-59-7	753053-60-0	753053-61-1	753053-62-2
753053-63-3	753053-64-4	753053-65-5	753053-66-6	753053-67-7
753053-68-8	753053-69-9	753053-70-2	753053-71-3	753053-72-4
753053-73-5	753053-74-6	753053-75-7	753053-76-8	753053-77-9
753053-78-0	753053-79-1	753053-80-4	753053-81-5	753053-82-6
753053-83-7	753053-84-8	753053-85-9	753053-86-0	753053-87-1
753053-88-2	753053-89-3	753053-90-6	753053-91-7	753053-92-8
753053-93-9	753053-94-0	753053-95-1	753053-96-2	753053-97-3
753053-98-4	753053-99-5	753054-00-1	753054-01-2	753054-02-3
753054-03-4	753054-04-5	753054-05-6	753054-06-7	753054-07-8
753054-08-9	753054-09-0	753054-10-3	753054-11-4	753054-12-5
753054-13-6	753054-14-7	753054-15-8	753054-16-9	753054-17-0
753054-18-1	753054-19-2	753054-20-5	753054-21-6	753054-22-7
753054-23-8	753054-24-9	753054-25-0	753054-26-1	753054-27-2
753054-28-3	753054-29-4	753054-30-7	753054-31-8	753054-32-9
753054-33-0	753054-34-1	753054-35-2	753054-36-3	753054-37-4
753054-38-5	753054-39-6	753054-40-9	753054-41-0	753054-42-1
753054-43-2	753054-44-3	753054-45-4	753054-46-5	753054-47-6
753054-48-7	753054-49-8	753054-50-1	753054-51-2	753054-52-3
753054-53-4	753054-54-5	753054-55-6	753054-56-7	753054-57-8
753054-58-9	753054-59-0	753054-60-3	753054-61-4	753054-62-5
753054-63-6	753054-64-7	753054-65-8	753054-66-9	753054-67-0
753054-68-1	753054-69-2	753054-70-5	753054-71-6	753054-72-7
753054-73-8	753054-74-9	753054-75-0	753054-76-1	753054-77-2
753054-78-3	753054-79-4	753054-80-7	753054-81-8	753054-82-9

753054-83-0	753054-84-1	753054-85-2	753054-86-3	753054-87-4
753054-88-5	753054-89-6	753054-90-9	753054-91-0	753054-92-1
753054-93-2	753054-94-3	753054-95-4	753054-96-5	753054-97-6
753054-98-7	753054-99-8	753055-00-4	753055-01-5	753055-02-6
753055-03-7	753055-04-8	753055-05-9	753055-06-0	753055-07-1
753055-08-2	753055-09-3	753055-10-6	753055-11-7	753055-12-8
753055-13-9	753055-14-0	753055-15-1	753055-16-2	753055-17-3
753055-18-4	753055-19-5	753055-20-8	753055-21-9	753055-22-0
753055-23-1	753055-24-2	753055-25-3	753055-26-4	753055-27-5
753055-28-6	753055-29-7	753055-30-0	753055-31-1	753055-32-2
753055-33-3	753055-34-4	753055-35-5	753055-36-6	753055-37-7
753055-38-8	753055-39-9	753055-40-2	753055-41-3	753055-42-4
753055-43-5	753055-44-6	753055-45-7	753055-46-8	753055-47-9
753055-48-0	753055-49-1	753055-50-4	753055-51-5	753055-52-6
753055-53-7	753055-54-8	753055-55-9	753055-56-0	753055-57-1
753055-58-2	753055-59-3	753055-60-6	753055-61-7	753055-62-8
753055-63-9	753055-64-0	753055-65-1	753055-66-2	753055-67-3
753055-68-4	753055-69-5	753055-70-8	753055-71-9	753055-72-0
753055-73-1	753055-74-2	753055-75-3	753055-76-4	753055-77-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753055-78-6	753055-79-7	753055-80-0	753055-81-1	753055-82-2
	753055-83-3	753055-84-4	753055-85-5	753055-86-6	753055-87-7
	753055-88-8	753055-89-9	753055-90-2	753055-91-3	753055-92-4
	753055-93-5	753055-94-6	753055-95-7	753055-96-8	753055-97-9
	753055-98-0	753055-99-1	753056-00-7	753056-01-8	753056-02-9
	753056-03-0	753056-04-1	753056-05-2	753056-06-3	753056-07-4
	753056-08-5	753056-09-6	753056-10-9	753056-11-0	753056-12-1
	753056-13-2	753056-14-3	753056-15-4	753056-16-5	753056-17-6
	753056-18-7	753056-19-8	753056-20-1	753056-21-2	753056-22-3
	753056-23-4	753056-24-5	753056-25-6	753056-26-7	753056-27-8
	753056-28-9	753056-29-0	753056-30-3	753056-31-4	753056-32-5
	753056-33-6	753056-34-7	753056-35-8	753056-36-9	753056-37-0
	753056-38-1	753056-39-2	753056-40-5	753056-41-6	753056-42-7
	753056-43-8	753056-44-9	753056-45-0	753056-46-1	753056-47-2
	753056-48-3	753056-49-4	753056-50-7	753056-51-8	753056-52-9
	753056-53-0	753056-54-1	753056-55-2	753056-56-3	753056-57-4
	753056-58-5	753056-59-6	753056-60-9	753056-61-0	753056-62-1
	753056-63-2	753056-64-3	753056-65-4	753056-66-5	753056-67-6
	753056-68-7	753056-69-8	753056-70-1	753056-71-2	753056-72-3
	753056-73-4	753056-74-5	753056-75-6	753056-76-7	753056-77-8
	753056-78-9	753056-79-0	753056-80-3	753056-81-4	753056-82-5
	753056-83-6	753056-84-7	753056-85-8	753056-86-9	753056-87-0
	753056-88-1	753056-89-2	753056-90-5	753056-91-6	753056-92-7
	753056-93-8	753056-94-9	753056-95-0	753056-96-1	753056-97-2
	753056-98-3	753056-99-4	753057-00-0	753057-01-1	753057-02-2
	753057-03-3	753057-04-4	753057-05-5	753057-06-6	753057-07-7
	753057-08-8	753057-09-9	753057-10-2	753057-11-3	753057-12-4
	753057-13-5	753057-14-6	753057-15-7	753057-16-8	753057-17-9
	753057-18-0	753057-19-1	753057-20-4	753057-21-5	753057-22-6
	753057-23-7	753057-24-8	753057-25-9	753057-26-0	753057-27-1
	753057-28-2	753057-29-3	753057-30-6	753057-31-7	753057-32-8
	753057-33-9	753057-34-0	753057-35-1	753057-36-2	753057-37-3
	753057-38-4	753057-39-5	753057-40-8	753057-41-9	753057-42-0
	753057-43-1	753057-44-2	753057-45-3	753057-46-4	753057-47-5
	753057-48-6	753057-49-7	753057-50-0	753057-51-1	753057-52-2
	753057-53-3	753057-54-4	753057-55-5	753057-56-6	753057-57-7
	753057-58-8	753057-59-9	753057-60-2	753057-61-3	753057-62-4
	753057-63-5	753057-64-6	753057-65-7	753057-66-8	753057-67-9
	753057-68-0	753057-69-1	753057-70-4	753057-71-5	753057-72-6
	753057-73-7	753057-74-8	753057-75-9	753057-76-0	753057-77-1
	753057-78-2	753057-79-3	753057-80-6	753057-81-7	753057-82-8
	753057-83-9	753057-84-0	753057-85-1	753057-86-2	753057-87-3
	753057-88-4	753057-89-5	753057-90-8	753057-91-9	753057-92-0

753057-93-1	753057-94-2	753057-95-3	753057-96-4	753057-97-5
753057-98-6	753057-99-7	753058-00-3	753058-01-4	753058-02-5
753058-03-6	753058-04-7	753058-05-8	753058-06-9	753058-07-0
753058-08-1	753058-09-2	753058-10-5	753058-11-6	753058-12-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753058-13-8	753058-14-9	753058-15-0	753058-16-1	753058-17-2
	753058-18-3	753058-19-4	753058-20-7	753058-21-8	753058-22-9
	753058-23-0	753058-24-1	753058-25-2	753058-26-3	753058-27-4
	753058-28-5	753058-29-6	753058-30-9	753058-31-0	753058-32-1
	753058-33-2	753058-34-3	753058-35-4	753058-36-5	753058-37-6
	753058-38-7	753058-39-8	753058-40-1	753058-41-2	753058-42-3
	753058-43-4	753058-44-5	753058-45-6	753058-46-7	753058-47-8
	753058-48-9	753058-49-0	753058-50-3	753058-51-4	753058-52-5
	753058-53-6	753058-54-7	753058-55-8	753058-56-9	753058-57-0
	753058-58-1	753058-59-2	753058-60-5	753058-61-6	753058-62-7
	753058-63-8	753058-64-9	753058-65-0	753058-66-1	753058-67-2
	753058-68-3	753058-69-4	753058-70-7	753058-71-8	753058-72-9
	753058-73-0	753058-74-1	753058-75-2	753058-76-3	753058-77-4
	753058-78-5	753058-79-6	753058-80-9	753058-81-0	753058-82-1
	753058-83-2	753058-84-3	753058-85-4	753058-86-5	753058-87-6
	753058-88-7	753058-89-8	753058-90-1	753058-91-2	753058-92-3
	753058-93-4	753058-94-5	753058-95-6	753058-96-7	753058-97-8
	753058-98-9	753058-99-0	753059-00-6	753059-01-7	753059-02-8
	753059-03-9	753059-04-0	753059-05-1	753059-06-2	753059-07-3
	753059-08-4	753059-09-5	753059-10-8	753059-11-9	753059-12-0
	753059-13-1	753059-14-2	753059-15-3	753059-16-4	753059-17-5
	753059-18-6	753059-19-7	753059-20-0	753059-21-1	753059-22-2
	753059-23-3	753059-24-4	753059-25-5	753059-26-6	753059-27-7
	753059-28-8	753059-29-9	753059-30-2	753059-31-3	753059-32-4
	753059-33-5	753059-34-6	753059-35-7	753059-36-8	753059-37-9
	753059-38-0	753059-39-1	753059-40-4	753059-41-5	753059-42-6
	753059-43-7	753059-44-8	753059-45-9	753059-46-0	753059-47-1
	753059-48-2	753059-49-3	753059-50-6	753059-51-7	753059-52-8
	753059-53-9	753059-54-0	753059-55-1	753059-56-2	753059-57-3
	753059-58-4	753059-59-5	753059-60-8	753059-61-9	753059-62-0
	753059-63-1	753059-64-2	753059-65-3	753059-66-4	753059-67-5
	753059-68-6	753059-69-7	753059-70-0	753059-71-1	753059-72-2
	753059-73-3	753059-74-4	753059-75-5	753059-76-6	753059-77-7
	753059-78-8	753059-79-9	753059-80-2	753059-81-3	753059-82-4
	753059-83-5	753059-84-6	753059-85-7	753059-86-8	753059-87-9
	753059-88-0	753059-89-1	753059-90-4	753059-91-5	753059-92-6
	753059-93-7	753059-94-8	753059-95-9	753059-96-0	753059-97-1
	753059-98-2	753059-99-3	753060-00-3	753060-01-4	753060-02-5
	753060-03-6	753060-04-7	753060-05-8	753060-06-9	753060-07-0
	753060-08-1	753060-09-2	753060-10-5	753060-11-6	753060-12-7
	753060-13-8	753060-14-9	753060-15-0	753060-16-1	753060-17-2
	753060-18-3	753060-19-4	753060-20-7	753060-21-8	753060-22-9
	753060-23-0	753060-24-1	753060-25-2	753060-26-3	753060-27-4
	753060-28-5	753060-29-6	753060-30-9	753060-31-0	753060-32-1
	753060-33-2	753060-34-3	753060-35-4	753060-36-5	753060-37-6
	753060-38-7	753060-39-8	753060-40-1	753060-41-2	753060-42-3
	753060-43-4	753060-44-5	753060-45-6	753060-46-7	753060-47-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753060-48-9	753060-49-0	753060-50-3	753060-51-4	753060-52-5
	753060-53-6	753060-54-7	753060-55-8	753060-56-9	753060-57-0
	753060-58-1	753060-59-2	753060-60-5	753060-61-6	753060-62-7
	753060-63-8	753060-64-9	753060-65-0	753060-66-1	753060-67-2
	753060-68-3	753060-69-4	753060-70-7	753060-71-8	753060-72-9
	753060-73-0	753060-74-1	753060-75-2	753060-76-3	753060-77-4
	753060-78-5	753060-79-6	753060-80-9	753060-81-0	753060-82-1

753060-83-2	753060-84-3	753060-85-4	753060-86-5	753060-87-6
753060-88-7	753060-89-8	753060-90-1	753060-91-2	753060-92-3
753060-93-4	753060-94-5	753060-95-6	753060-96-7	753060-97-8
753060-98-9	753060-99-0	753061-00-6	753061-01-7	753061-02-8
753061-03-9	753061-04-0	753061-05-1	753061-06-2	753061-07-3
753061-08-4	753061-09-5	753061-10-8	753061-11-9	753061-12-0
753061-13-1	753061-14-2	753061-15-3	753061-16-4	753061-17-5
753061-18-6	753061-19-7	753061-20-0	753061-21-1	753061-22-2
753061-23-3	753061-24-4	753061-25-5	753061-26-6	753061-27-7
753061-28-8	753061-29-9	753061-30-2	753061-31-3	753061-32-4
753061-33-5	753061-34-6	753061-35-7	753061-36-8	753061-37-9
753061-38-0	753061-39-1	753061-40-4	753061-41-5	753061-42-6
753061-43-7	753061-44-8	753061-45-9	753061-46-0	753061-47-1
753061-48-2	753061-49-3	753061-50-6	753061-51-7	753061-52-8
753061-53-9	753061-54-0	753061-55-1	753061-56-2	753061-57-3
753061-58-4	753061-59-5	753061-60-8	753061-61-9	753061-62-0
753061-63-1	753061-64-2	753061-65-3	753061-66-4	753061-67-5
753061-68-6	753061-69-7	753061-70-0	753061-71-1	753061-72-2
753061-73-3	753061-74-4	753061-75-5	753061-76-6	753061-77-7
753061-78-8	753061-79-9	753061-80-2	753061-81-3	753061-82-4
753061-83-5	753061-84-6	753061-85-7	753061-86-8	753061-87-9
753061-88-0	753061-89-1	753061-90-4	753061-91-5	753061-92-6
753061-93-7	753061-94-8	753061-95-9	753061-96-0	753061-97-1
753061-98-2	753061-99-3	753062-00-9	753062-01-0	753062-02-1
753062-03-2	753062-04-3	753062-05-4	753062-06-5	753062-07-6
753062-08-7	753062-09-8	753062-10-1	753062-11-2	753062-12-3
753062-13-4	753062-14-5	753062-15-6	753062-16-7	753062-17-8
753062-18-9	753062-19-0	753062-20-3	753062-21-4	753062-22-5
753062-23-6	753062-24-7	753062-25-8	753062-26-9	753062-27-0
753062-28-1	753062-29-2	753062-30-5	753062-31-6	753062-32-7
753062-33-8	753062-34-9	753062-35-0	753062-36-1	753062-37-2
753062-38-3	753062-39-4	753062-40-7	753062-41-8	753062-42-9
753062-43-0	753062-44-1	753062-45-2	753062-46-3	753062-47-4
753062-48-5	753062-49-6	753062-50-9	753062-51-0	753062-52-1
753062-53-2	753062-54-3	753062-55-4	753062-56-5	753062-57-6
753062-58-7	753062-59-8	753062-60-1	753062-61-2	753062-62-3
753062-63-4	753062-64-5	753062-65-6	753062-66-7	753062-67-8
753062-68-9	753062-69-0	753062-70-3	753062-71-4	753062-72-5
753062-73-6	753062-74-7	753062-75-8	753062-76-9	753062-77-0
753062-78-1	753062-79-2	753062-80-5	753062-81-6	753062-82-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753062-83-8	753062-84-9	753062-85-0	753062-86-1	753062-87-2
	753062-88-3	753062-89-4	753062-90-7	753062-91-8	753062-92-9
	753062-93-0	753062-94-1	753062-95-2	753062-96-3	753062-97-4
	753062-98-5	753062-99-6	753063-00-2	753063-01-3	753063-02-4
	753063-03-5	753063-04-6	753063-05-7	753063-06-8	753063-07-9
	753063-08-0	753063-09-1	753063-10-4	753063-11-5	753063-12-6
	753063-13-7	753063-14-8	753063-15-9	753063-16-0	753063-17-1
	753063-18-2	753063-19-3	753063-20-6	753063-21-7	753063-22-8
	753063-23-9	753063-24-0	753063-25-1	753063-26-2	753063-27-3
	753063-28-4	753063-29-5	753063-30-8	753063-31-9	753063-32-0
	753063-33-1	753063-34-2	753063-35-3	753063-36-4	753063-37-5
	753063-38-6	753063-39-7	753063-40-0	753063-41-1	753063-42-2
	753063-43-3	753063-44-4	753063-45-5	753063-46-6	753063-47-7
	753063-48-8	753063-49-9	753063-50-2	753063-51-3	753063-52-4
	753063-53-5	753063-54-6	753063-55-7	753063-56-8	753063-57-9
	753063-58-0	753063-59-1	753063-60-4	753063-61-5	753063-62-6
	753063-63-7	753063-64-8	753063-65-9	753063-66-0	753063-67-1
	753063-68-2	753063-69-3	753063-70-6	753063-71-7	753063-72-8
	753063-73-9	753063-74-0	753063-75-1	753063-76-2	753063-77-3
	753063-78-4	753063-79-5	753063-80-8	753063-81-9	753063-82-0
	753063-83-1	753063-84-2	753063-85-3	753063-86-4	753063-87-5
	753063-88-6	753063-89-7	753063-90-0	753063-91-1	753063-92-2

753063-93-3	753063-94-4	753063-95-5	753063-96-6	753063-97-7
753063-98-8	753063-99-9	753064-00-5	753064-01-6	753064-02-7
753064-03-8	753064-04-9	753064-05-0	753064-06-1	753064-07-2
753064-08-3	753064-09-4	753064-10-7	753064-11-8	753064-12-9
753064-13-0	753064-14-1	753064-15-2	753064-16-3	753064-17-4
753064-18-5	753064-19-6	753064-20-9	753064-21-0	753064-22-1
753064-23-2	753064-24-3	753064-25-4	753064-26-5	753064-27-6
753064-28-7	753064-29-8	753064-30-1	753064-31-2	753064-32-3
753064-33-4	753064-34-5	753064-35-6	753064-36-7	753064-37-8
753064-38-9	753064-39-0	753064-40-3	753064-41-4	753064-42-5
753064-43-6	753064-44-7	753064-45-8	753064-46-9	753064-47-0
753064-48-1	753064-49-2	753064-50-5	753064-51-6	753064-52-7
753064-53-8	753064-54-9	753064-55-0	753064-56-1	753064-57-2
753064-58-3	753064-59-4	753064-60-7	753064-61-8	753064-62-9
753064-63-0	753064-64-1	753064-65-2	753064-66-3	753064-67-4
753064-68-5	753064-69-6	753064-70-9	753064-71-0	753064-72-1
753064-73-2	753064-74-3	753064-75-4	753064-76-5	753064-77-6
753064-78-7	753064-79-8	753064-80-1	753064-81-2	753064-82-3
753064-83-4	753064-84-5	753064-85-6	753064-86-7	753064-87-8
753064-88-9	753064-89-0	753064-90-3	753064-91-4	753064-92-5
753064-93-6	753064-94-7	753064-95-8	753064-96-9	753064-97-0
753064-98-1	753064-99-2	753065-00-8	753065-01-9	753065-02-0
753065-03-1	753065-04-2	753065-05-3	753065-06-4	753065-07-5
753065-08-6	753065-09-7	753065-10-0	753065-11-1	753065-12-2
753065-13-3	753065-14-4	753065-15-5	753065-16-6	753065-17-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753065-18-8	753065-19-9	753065-20-2	753065-21-3	753065-22-4
	753065-23-5	753065-24-6	753065-25-7	753065-26-8	753065-27-9
	753065-28-0	753065-29-1	753065-30-4	753065-31-5	753065-32-6
	753065-33-7	753065-34-8	753065-35-9	753065-36-0	753065-37-1
	753065-38-2	753065-39-3	753065-40-6	753065-41-7	753065-42-8
	753065-43-9	753065-44-0	753065-45-1	753065-46-2	753065-47-3
	753065-48-4	753065-49-5	753065-50-8	753065-51-9	753065-52-0
	753065-53-1	753065-54-2	753065-55-3	753065-56-4	753065-57-5
	753065-58-6	753065-59-7	753065-60-0	753065-61-1	753065-62-2
	753065-63-3	753065-64-4	753065-65-5	753065-66-6	753065-67-7
	753065-68-8	753065-69-9	753065-70-2	753065-71-3	753065-72-4
	753065-73-5	753065-74-6	753065-75-7	753065-76-8	753065-77-9
	753065-78-0	753065-79-1	753065-80-4	753065-81-5	753065-82-6
	753065-83-7	753065-84-8	753065-85-9	753065-86-0	753065-87-1
	753065-88-2	753065-89-3	753065-90-6	753065-91-7	753065-92-8
	753065-93-9	753065-94-0	753065-95-1	753065-96-2	753065-97-3
	753065-98-4	753065-99-5	753066-00-1	753066-01-2	753066-02-3
	753066-03-4	753066-04-5	753066-05-6	753066-06-7	753066-07-8
	753066-08-9	753066-09-0	753066-10-3	753066-11-4	753066-12-5
	753066-13-6	753066-14-7	753066-15-8	753066-16-9	753066-17-0
	753066-18-1	753066-19-2	753066-20-5	753066-21-6	753066-22-7
	753066-23-8	753066-24-9	753066-25-0	753066-26-1	753066-27-2
	753066-28-3	753066-29-4	753066-30-7	753066-31-8	753066-32-9
	753066-33-0	753066-34-1	753066-35-2	753066-36-3	753066-37-4
	753066-38-5	753066-39-6	753066-40-9	753066-41-0	753066-42-1
	753066-43-2	753066-44-3	753066-45-4	753066-46-5	753066-47-6
	753066-48-7	753066-49-8	753066-50-1	753066-51-2	753066-52-3
	753066-53-4	753066-54-5	753066-55-6	753066-56-7	753066-57-8
	753066-58-9	753066-59-0	753066-60-3	753066-61-4	753066-62-5
	753066-63-6	753066-64-7	753066-65-8	753066-66-9	753066-67-0
	753066-68-1	753066-69-2	753066-70-5	753066-71-6	753066-72-7
	753066-73-8	753066-74-9	753066-75-0	753066-76-1	753066-77-2
	753066-78-3	753066-79-4	753066-80-7	753066-81-8	753066-82-9
	753066-83-0	753066-84-1	753066-85-2	753066-86-3	753066-87-4
	753066-88-5	753066-89-6	753066-90-9	753066-91-0	753066-92-1
	753066-93-2	753066-94-3	753066-95-4	753066-96-5	753066-97-6
	753066-98-7	753066-99-8	753067-00-4	753067-01-5	753067-02-6

753067-03-7	753067-04-8	753067-05-9	753067-06-0	753067-07-1
753067-08-2	753067-09-3	753067-10-6	753067-11-7	753067-12-8
753067-13-9	753067-14-0	753067-15-1	753067-16-2	753067-17-3
753067-18-4	753067-19-5	753067-20-8	753067-21-9	753067-22-0
753067-23-1	753067-24-2	753067-25-3	753067-26-4	753067-27-5
753067-28-6	753067-29-7	753067-30-0	753067-31-1	753067-32-2
753067-33-3	753067-34-4	753067-35-5	753067-36-6	753067-37-7
753067-38-8	753067-39-9	753067-40-2	753067-41-3	753067-42-4
753067-43-5	753067-44-6	753067-45-7	753067-46-8	753067-47-9
753067-48-0	753067-49-1	753067-50-4	753067-51-5	753067-52-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753067-53-7	753067-54-8	753067-55-9	753067-56-0	753067-57-1
	753067-58-2	753067-59-3	753067-60-6	753067-61-7	753067-62-8
	753067-63-9	753067-64-0	753067-65-1	753067-66-2	753067-67-3
	753067-68-4	753067-69-5	753067-70-8	753067-71-9	753067-72-0
	753067-73-1	753067-74-2	753067-75-3	753067-76-4	753067-77-5
	753067-78-6	753067-79-7	753067-80-0	753067-81-1	753067-82-2
	753067-83-3	753067-84-4	753067-85-5	753067-86-6	753067-87-7
	753067-88-8	753067-89-9	753067-90-2	753067-91-3	753067-92-4
	753067-93-5	753067-94-6	753067-95-7	753067-96-8	753067-97-9
	753067-98-0	753067-99-1	753068-00-7	753068-01-8	753068-02-9
	753068-03-0	753068-04-1	753068-05-2	753068-06-3	753068-07-4
	753068-08-5	753068-09-6	753068-10-9	753068-11-0	753068-12-1
	753068-13-2	753068-14-3	753068-15-4	753068-16-5	753068-17-6
	753068-18-7	753068-19-8	753068-20-1	753068-21-2	753068-22-3
	753068-23-4	753068-24-5	753068-25-6	753068-26-7	753068-27-8
	753068-28-9	753068-29-0	753068-30-3	753068-31-4	753068-32-5
	753068-33-6	753068-34-7	753068-35-8	753068-36-9	753068-37-0
	753068-38-1	753068-39-2	753068-40-5	753068-41-6	753068-42-7
	753068-43-8	753068-44-9	753068-45-0	753068-46-1	753068-47-2
	753068-48-3	753068-49-4	753068-50-7	753068-51-8	753068-52-9
	753068-53-0	753068-54-1	753068-55-2	753068-56-3	753068-57-4
	753068-58-5	753068-59-6	753068-60-9	753068-61-0	753068-62-1
	753068-63-2	753068-64-3	753068-65-4	753068-66-5	753068-67-6
	753068-68-7	753068-69-8	753068-70-1	753068-71-2	753068-72-3
	753068-73-4	753068-74-5	753068-75-6	753068-76-7	753068-77-8
	753068-78-9	753068-79-0	753068-80-3	753068-81-4	753068-82-5
	753068-83-6	753068-84-7	753068-85-8	753068-86-9	753068-87-0
	753068-88-1	753068-89-2	753068-90-5	753068-91-6	753068-92-7
	753068-93-8	753068-94-9	753068-95-0	753068-96-1	753068-97-2
	753068-98-3	753068-99-4	753069-00-0	753069-01-1	753069-02-2
	753069-03-3	753069-04-4	753069-05-5	753069-06-6	753069-07-7
	753069-08-8	753069-09-9	753069-10-2	753069-11-3	753069-12-4
	753069-13-5	753069-14-6	753069-15-7	<b>753069-16-8</b>	
	753069-17-9	753069-18-0	753069-19-1	753069-20-4	753069-21-5
	753069-22-6	753069-23-7	753069-24-8	753069-25-9	753069-26-0
	753069-27-1	753069-28-2	753069-29-3	753069-30-6	753069-31-7
	753069-32-8	753069-33-9	753069-34-0	753069-35-1	753069-36-2
	753069-37-3	753069-38-4	753069-39-5	753069-40-8	753069-41-9
	753069-42-0	753069-43-1	753069-44-2	753069-45-3	753069-46-4
	753069-47-5	753069-48-6	753069-49-7	753069-50-0	753069-51-1
	753069-52-2	753069-53-3	753069-54-4	753069-55-5	753069-56-6
	753069-57-7	753069-58-8	753069-59-9	753069-60-2	753069-61-3
	753069-62-4	753069-63-5	753069-64-6	753069-65-7	753069-66-8
	753069-67-9	753069-68-0	753069-69-1	753069-70-4	753069-71-5
	753069-72-6	753069-73-7	753069-74-8	753069-75-9	753069-76-0
	753069-77-1	753069-78-2	753069-79-3	753069-80-6	753069-81-7
	753069-82-8	753069-83-9	753069-84-0	753069-85-1	753069-86-2
	753069-87-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753069-88-4	753069-89-5	753069-90-8	753069-91-9	753069-92-0
	753069-93-1	753069-94-2	753069-95-3	753069-96-4	753069-97-5
	753069-98-6	753069-99-7	753070-00-7	753070-01-8	753070-02-9
	753070-03-0	753070-04-1	753070-05-2	753070-06-3	753070-07-4
	753070-08-5	753070-09-6	753070-10-9	753070-11-0	753070-12-1
	753070-13-2	753070-14-3	753070-15-4	753070-16-5	753070-17-6
	753070-18-7	753070-19-8	753070-20-1	753070-21-2	753070-22-3
	753070-23-4	753070-24-5	753070-25-6	753070-26-7	753070-27-8
	753070-28-9	753070-29-0	753070-30-3	753070-31-4	753070-32-5
	753070-33-6	753070-34-7	753070-35-8	753070-36-9	753070-37-0
	753070-38-1	753070-39-2	753070-40-5	753070-41-6	753070-42-7
	753070-43-8	753070-44-9	753070-45-0	753070-46-1	753070-47-2
	753070-48-3	753070-49-4	753070-50-7	753070-51-8	753070-52-9
	753070-53-0	753070-54-1	753070-55-2	753070-56-3	753070-57-4
	753070-58-5	753070-59-6	753070-60-9	753070-61-0	753070-62-1
	753070-63-2	753070-64-3	753070-65-4	753070-66-5	753070-67-6
	753070-68-7	753070-69-8	753070-70-1	753070-71-2	753070-72-3
	753070-73-4	753070-74-5	753070-75-6	753070-76-7	753070-77-8
	753070-78-9	753070-79-0	753070-80-3	753070-81-4	753070-82-5
	753070-83-6	753070-84-7	753070-85-8	753070-86-9	753070-87-0
	753070-88-1	753070-89-2	753070-90-5	753070-91-6	753070-92-7
	753070-93-8	753070-94-9	753070-95-0	753070-96-1	753070-97-2
	753070-98-3	753070-99-4	753071-00-0	753071-01-1	753071-02-2
	753071-03-3	753071-04-4	753071-05-5	753071-06-6	753071-07-7
	753071-08-8	753071-09-9	753071-10-2	753071-11-3	753071-12-4
	753071-13-5	753071-14-6	753071-15-7	753071-16-8	753071-17-9
	753071-18-0	753071-19-1	753071-20-4	753071-21-5	753071-22-6
	753071-23-7	753071-24-8	753071-25-9	753071-26-0	753071-27-1
	753071-28-2	753071-29-3	753071-30-6	753071-31-7	753071-32-8
	753071-33-9	753071-34-0	753071-35-1	753071-36-2	753071-37-3
	753071-38-4	753071-39-5	753071-40-8	753071-41-9	753071-42-0
	753071-43-1	753071-44-2	753071-45-3	753071-46-4	753071-47-5
	753071-48-6	753071-49-7	753071-50-0	753071-51-1	753071-52-2
	753071-53-3	753071-54-4	753071-55-5	753071-56-6	753071-57-7
	753071-58-8	753071-59-9	753071-60-2	753071-61-3	753071-62-4
	753071-63-5	753071-64-6	753071-65-7	753071-66-8	753071-67-9
	753071-68-0	753071-69-1	753071-70-4	753071-71-5	753071-72-6
	753071-73-7	753071-74-8	753071-75-9	753071-76-0	753071-77-1
	753071-78-2	753071-79-3	753071-80-6	753071-81-7	753071-82-8
	753071-83-9	753071-84-0	753071-85-1	753071-86-2	753071-87-3
	753071-88-4	753071-89-5	753071-90-8	753071-91-9	753071-92-0
	753071-93-1	753071-94-2	753071-95-3	753071-96-4	753071-97-5
	753071-98-6	753071-99-7	753072-00-3	753072-01-4	753072-02-5
	753072-03-6	753072-04-7	753072-05-8	753072-06-9	753072-07-0
	753072-08-1	753072-09-2	753072-10-5	753072-11-6	753072-12-7
	753072-13-8	753072-14-9	753072-15-0	753072-16-1	753072-17-2
	753072-18-3	753072-19-4	753072-20-7	753072-21-8	753072-22-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753072-23-0	753072-24-1	753072-25-2	753072-26-3	753072-27-4
	753072-28-5	753072-29-6	753072-30-9	753072-31-0	753072-32-1
	753072-33-2	753072-34-3	753072-35-4	753072-36-5	753072-37-6
	753072-38-7	753072-39-8	753072-40-1	753072-41-2	753072-42-3
	753072-43-4	753072-44-5	753072-45-6	753072-46-7	753072-47-8
	753072-48-9	753072-49-0	753072-50-3	753072-51-4	753072-52-5
	753072-53-6	753072-54-7	753072-55-8	753072-56-9	753072-57-0
	753072-58-1	753072-59-2	753072-60-5	753072-61-6	753072-62-7
	753072-63-8	753072-64-9	753072-65-0	753072-66-1	753072-67-2
	753072-68-3	753072-69-4	753072-70-7	753072-71-8	753072-72-9
	753072-73-0	753072-74-1	753072-75-2	753072-76-3	753072-77-4
	753072-78-5	753072-79-6	753072-80-9	753072-81-0	753072-82-1
	753072-83-2	753072-84-3	753072-85-4	753072-86-5	753072-87-6
	753072-88-7	753072-89-8	753072-90-1	753072-91-2	753072-92-3
	753072-93-4	753072-94-5	753072-95-6	753072-96-7	753072-97-8

753072-98-9	753072-99-0	753073-00-6	753073-01-7	753073-02-8
753073-03-9	753073-04-0	753073-05-1	753073-06-2	753073-07-3
753073-08-4	753073-09-5	753073-10-8	753073-11-9	753073-12-0
753073-13-1	753073-14-2	753073-15-3	753073-16-4	753073-17-5
753073-18-6	753073-19-7	753073-20-0	753073-21-1	753073-22-2
753073-23-3	753073-24-4	753073-25-5	753073-26-6	753073-27-7
753073-28-8	753073-29-9	753073-30-2	753073-31-3	753073-32-4
753073-33-5	753073-34-6	753073-35-7	753073-36-8	753073-37-9
753073-38-0	753073-39-1	753073-40-4	753073-41-5	753073-42-6
753073-43-7	753073-44-8	753073-45-9	753073-46-0	753073-47-1
753073-48-2	753073-49-3	753073-50-6	753073-51-7	753073-52-8
753073-53-9	753073-54-0	753073-55-1	753073-56-2	753073-57-3
753073-58-4	753073-59-5	753073-60-8	753073-61-9	753073-62-0
753073-63-1	753073-64-2	753073-65-3	753073-66-4	753073-67-5
753073-68-6	753073-69-7	753073-70-0	753073-71-1	753073-72-2
753073-73-3	753073-74-4	753073-75-5	753073-76-6	753073-77-7
753073-78-8	753073-79-9	753073-80-2	753073-81-3	753073-82-4
753073-83-5	753073-84-6	753073-85-7	753073-86-8	753073-87-9
753073-88-0	753073-89-1	753073-90-4	753073-91-5	753073-92-6
753073-93-7	753073-94-8	753073-95-9	753073-96-0	753073-97-1
753073-98-2	753073-99-3	753074-00-9	753074-01-0	753074-02-1
753074-03-2	753074-04-3	753074-05-4	753074-06-5	753074-07-6
753074-08-7	753074-09-8	753074-10-1	753074-11-2	753074-12-3
753074-13-4	753074-14-5	753074-15-6	753074-16-7	753074-17-8
753074-18-9	753074-19-0	753074-20-3	753074-21-4	753074-22-5
753074-23-6	753074-24-7	753074-25-8	753074-26-9	753074-27-0
753074-28-1	753074-29-2	753074-30-5	753074-31-6	753074-32-7
753074-33-8	753074-34-9	753074-35-0	753074-36-1	753074-37-2
753074-38-3	753074-39-4	753074-40-7	753074-41-8	753074-42-9
753074-43-0	753074-44-1	753074-45-2	753074-46-3	753074-47-4
753074-48-5	753074-49-6	753074-50-9	753074-51-0	753074-52-1
753074-53-2	753074-54-3	753074-55-4	753074-56-5	753074-57-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753074-58-7	753074-59-8	753074-60-1	753074-61-2	753074-62-3
	753074-63-4	753074-64-5	753074-65-6	753074-66-7	753074-67-8
	753074-68-9	753074-69-0	753074-70-3	753074-71-4	753074-72-5
	753074-73-6	753074-74-7	753074-75-8	753074-76-9	753074-77-0
	753074-78-1	753074-79-2	753074-80-5	753074-81-6	753074-82-7
	753074-83-8	753074-84-9	753074-85-0	753074-86-1	753074-87-2
	753074-88-3	753074-89-4	753074-90-7	753074-91-8	753074-92-9
	753074-93-0	753074-94-1	753074-95-2	753074-96-3	753074-97-4
	753074-98-5	753074-99-6	753075-00-2	753075-01-3	753075-02-4
	753075-03-5	753075-04-6	753075-05-7	753075-06-8	753075-07-9
	753075-08-0	753075-09-1	753075-10-4	753075-11-5	753075-12-6
	753075-13-7	753075-14-8	753075-15-9	753075-16-0	753075-17-1
	753075-18-2	753075-19-3	753075-20-6	753075-21-7	753075-22-8
	753075-23-9	753075-24-0	753075-25-1	753075-26-2	753075-27-3
	753075-28-4	753075-29-5	753075-30-8	753075-31-9	753075-32-0
	753075-33-1	753075-34-2	753075-35-3	753075-36-4	753075-37-5
	753075-38-6	753075-39-7	753075-40-0	753075-41-1	753075-42-2
	753075-43-3	753075-44-4	753075-45-5	753075-46-6	753075-47-7
	753075-48-8	753075-49-9	753075-50-2	753075-51-3	753075-52-4
	753075-53-5	753075-54-6	753075-55-7	753075-56-8	753075-57-9
	753075-58-0	753075-59-1	753075-60-4	753075-61-5	753075-62-6
	753075-63-7	753075-64-8	753075-65-9	753075-66-0	753075-67-1
	753075-68-2	753075-69-3	753075-70-6	753075-71-7	753075-72-8
	753075-73-9	753075-74-0	753075-75-1	753075-76-2	753075-77-3
	753075-78-4	753075-79-5	753075-80-8	753075-81-9	753075-82-0
	753075-83-1	753075-84-2	753075-85-3	753075-86-4	753075-87-5
	753075-88-6	753075-89-7	753075-90-0	753075-91-1	753075-92-2
	753075-93-3	753075-94-4	753075-95-5	753075-96-6	753075-97-7
	753075-98-8	753075-99-9	753076-00-5	753076-01-6	753076-02-7
	753076-03-8	753076-04-9	753076-05-0	753076-06-1	753076-07-2

753076-08-3	753076-09-4	753076-10-7	753076-11-8	753076-12-9
753076-13-0	753076-14-1	753076-15-2	753076-16-3	753076-17-4
753076-18-5	753076-19-6	753076-20-9	753076-21-0	753076-22-1
753076-23-2	753076-24-3	753076-25-4	753076-26-5	753076-27-6
753076-28-7	753076-29-8	753076-30-1	753076-31-2	753076-32-3
753076-33-4	753076-34-5	753076-35-6	753076-36-7	753076-37-8
753076-38-9	753076-39-0	753076-40-3	753076-41-4	753076-42-5
753076-43-6	753076-44-7	753076-45-8	753076-46-9	753076-47-0
753076-48-1	753076-49-2	753076-50-5	753076-51-6	753076-52-7
753076-53-8	753076-54-9	753076-55-0	753076-56-1	753076-57-2
753076-58-3	753076-59-4	753076-60-7	753076-61-8	753076-62-9
753076-63-0	753076-64-1	753076-65-2	753076-66-3	753076-67-4
753076-68-5	753076-69-6	753076-70-9	753076-71-0	753076-72-1
753076-73-2	753076-74-3	753076-75-4	753076-76-5	753076-77-6
753076-78-7	753076-79-8	753076-80-1	753076-81-2	753076-82-3
753076-83-4	753076-84-5	753076-85-6	753076-86-7	753076-87-8
753076-88-9	753076-89-0	753076-90-3	753076-91-4	753076-92-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753076-93-6	753076-94-7	753076-95-8	753076-96-9	753076-97-0
	753076-98-1	753076-99-2	753077-00-8	753077-01-9	753077-02-0
	753077-03-1	753077-04-2	753077-05-3	753077-06-4	753077-07-5
	753077-08-6	753077-09-7	753077-10-0	753077-11-1	753077-12-2
	753077-13-3	753077-14-4	753077-15-5	753077-16-6	753077-17-7
	753077-18-8	753077-19-9	753077-20-2	753077-21-3	753077-22-4
	753077-23-5	753077-24-6	753077-25-7	753077-26-8	753077-27-9
	753077-28-0	753077-29-1	753077-30-4	753077-31-5	753077-32-6
	753077-33-7	753077-34-8	753077-35-9	753077-36-0	753077-37-1
	753077-38-2	753077-39-3	753077-40-6	753077-41-7	753077-42-8
	753077-43-9	753077-44-0	753077-45-1	753077-46-2	753077-47-3
	753077-48-4	753077-49-5	753077-50-8	753077-51-9	753077-52-0
	753077-53-1	753077-54-2	753077-55-3	753077-56-4	753077-57-5
	753077-58-6	753077-59-7	753077-60-0	753077-61-1	753077-62-2
	753077-63-3	753077-64-4	753077-65-5	753077-66-6	753077-67-7
	753077-68-8	753077-69-9	753077-70-2	753077-71-3	753077-72-4
	753077-73-5	753077-74-6	753077-75-7	753077-76-8	753077-77-9
	753077-78-0	753077-79-1	753077-80-4	753077-81-5	753077-82-6
	753077-83-7	753077-84-8	753077-85-9	753077-86-0	753077-87-1
	753077-88-2	753077-89-3	753077-90-6	753077-91-7	753077-92-8
	753077-93-9	753077-94-0	753077-95-1	753077-96-2	753077-97-3
	753077-98-4	753077-99-5	753078-00-1	753078-01-2	753078-02-3
	753078-03-4	753078-04-5	753078-05-6	753078-06-7	753078-07-8
	753078-08-9	753078-09-0	753078-10-3	753078-11-4	753078-12-5
	753078-13-6	753078-14-7	753078-15-8	753078-16-9	753078-17-0
	753078-18-1	753078-19-2	753078-20-5	753078-21-6	753078-22-7
	753078-23-8	753078-24-9	753078-25-0	753078-26-1	753078-27-2
	753078-28-3	753078-29-4	753078-30-7	753078-31-8	753078-32-9
	753078-33-0	753078-34-1	753078-35-2	753078-36-3	753078-37-4
	753078-38-5	753078-39-6	753078-40-9	753078-41-0	753078-42-1
	753078-43-2	753078-44-3	753078-45-4	753078-46-5	753078-47-6
	753078-48-7	753078-49-8	753078-50-1	753078-51-2	753078-52-3
	753078-53-4	753078-54-5	753078-55-6	753078-56-7	753078-57-8
	753078-58-9	753078-59-0	753078-60-3	753078-61-4	753078-62-5
	753078-63-6	753078-64-7	753078-65-8	753078-66-9	753078-67-0
	753078-68-1	753078-69-2	753078-70-5	753078-71-6	753078-72-7
	753078-73-8	753078-74-9	753078-75-0	753078-76-1	753078-77-2
	753078-78-3	753078-79-4	753078-80-7	753078-81-8	753078-82-9
	753078-83-0	753078-84-1	753078-85-2	753078-86-3	753078-87-4
	753078-88-5	753078-89-6	753078-90-9	753078-91-0	753078-92-1
	753078-93-2	753078-94-3	753078-95-4	753078-96-5	753078-97-6
	753078-98-7	753078-99-8	753079-00-4	753079-01-5	753079-02-6
	753079-03-7	753079-04-8	753079-05-9	753079-06-0	753079-07-1
	753079-08-2	753079-09-3	753079-10-6	753079-11-7	753079-12-8
	753079-13-9	753079-14-0	753079-15-1	753079-16-2	753079-17-3

753079-18-4 753079-19-5 753079-20-8 753079-21-9 753079-22-0  
 753079-23-1 753079-24-2 753079-25-3 753079-26-4 753079-27-5  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	753079-28-6	753079-29-7	753079-30-0	753079-31-1	753079-32-2
	753079-33-3	753079-34-4	753079-35-5	753079-36-6	753079-37-7
	753079-38-8	753079-39-9	753079-40-2	753079-41-3	753079-42-4
	753079-43-5	753079-44-6	753079-45-7	753079-46-8	753079-47-9
	753079-48-0	753079-49-1	753079-50-4	753079-51-5	753079-52-6
	753079-53-7	753079-54-8	753079-55-9	753079-56-0	753079-57-1
	753079-58-2	753079-59-3	753079-60-6	753079-61-7	753079-62-8
	753079-63-9	753079-64-0	753079-65-1	753079-66-2	753079-67-3
	753079-68-4	753079-69-5	753079-70-8	753079-71-9	753079-72-0
	753079-73-1	753079-74-2	753079-75-3	753079-76-4	753079-77-5
	753079-78-6	753079-79-7	753079-80-0	753079-81-1	
	753079-82-2	753079-83-3	753079-84-4	753079-85-5	753079-86-6
	753079-87-7	753079-88-8	753079-89-9	753079-90-2	753079-91-3
	753079-92-4	753079-93-5	753079-94-6	753079-95-7	753079-96-8
	753079-97-9	753079-98-0	753079-99-1	753080-00-1	753080-01-2
	753080-02-3	753080-03-4	753080-04-5	753080-05-6	753080-06-7
	753080-07-8	753080-08-9	753080-09-0	753080-10-3	753080-11-4
	753080-12-5	753080-13-6	753080-14-7	753080-15-8	753080-16-9
	753080-17-0	753080-18-1	753080-19-2	753080-20-5	753080-21-6
	753080-22-7	753080-23-8	753080-24-9	753080-25-0	753080-26-1
	753080-27-2	753080-28-3	753080-29-4	753080-30-7	753080-31-8
	753080-32-9	753080-33-0	753080-34-1	753080-35-2	753080-36-3
	753080-37-4	753080-38-5	753080-39-6	753080-40-9	753080-41-0
	753080-42-1	753080-43-2	753080-44-3	753080-45-4	753080-46-5
	753080-47-6	753080-48-7	753080-49-8	753080-50-1	753080-51-2
	753080-52-3	753080-53-4	753080-54-5	753080-55-6	753080-56-7
	753080-57-8	753080-58-9	753080-59-0	753080-60-3	753080-61-4
	753080-62-5	753080-63-6	753080-64-7	753080-65-8	753080-66-9
	753080-67-0	753080-68-1	753080-69-2	753080-70-5	753080-71-6
	753080-72-7	753080-73-8	753080-74-9	753080-75-0	753080-76-1
	753080-77-2	753080-78-3	753080-79-4	753080-80-7	753080-81-8
	753080-82-9	753080-83-0	753080-84-1	753080-85-2	753080-86-3
	753080-87-4	753080-88-5	753080-89-6	753080-90-9	753080-91-0
	753080-92-1	753080-93-2	753080-94-3	753080-95-4	753080-96-5
	753080-97-6	753080-98-7	753080-99-8	753081-00-4	753081-01-5
	753081-02-6	753081-03-7	753081-04-8	753081-05-9	753081-06-0
	753081-07-1	753081-08-2	753081-09-3	753081-10-6	753081-11-7
	753081-12-8	753081-13-9	753081-14-0	753081-15-1	753081-16-2
	753081-17-3	753081-18-4	753081-19-5	753081-20-8	753081-21-9
	753081-22-0	753081-23-1	753081-24-2	753081-25-3	753081-26-4
	753081-27-5	753081-28-6	753081-29-7	753081-30-0	753081-31-1
	753081-32-2	753081-33-3	753081-34-4	753081-35-5	753081-36-6
	753081-37-7	753081-38-8	753081-39-9	753081-40-2	753081-41-3
	753081-42-4	753081-43-5	753081-44-6	753081-45-7	753081-46-8
	753081-47-9	753081-48-0	753081-49-1	753081-50-4	753081-51-5
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RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	753081-63-9	753081-64-0	753081-65-1	753081-66-2	753081-67-3
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	753083-98-6	753083-99-7	753084-00-3	753084-01-4	753084-02-5
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)  
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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)  
 IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)  
 IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)  
 IT 753069-16-8 753079-57-1 753079-79-7  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)  
 RN 753069-16-8 HCAPLUS  
 CN Protein (sorghum clone 13238172.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 DHTTVHEACP RPRLSKVLMI PDHMTMHEPC RRMASHKVDI MLLPDSPTLL  
 51 LCGELRCSFI FLCCLYLRCR RFITVAANKI SC

RN 753079-57-1 HCAPLUS  
 CN Protein (sorghum clone 14365056.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 FFLVQRAGL AVYIENKRV KEAACKPSAQ YWTAHAVLHL WSEQRLQVTS  
 51 CEVLMLVYVC IYVYGRLNL LVTILSIDKL

RN 753079-79-7 HCAPLUS  
 CN Protein (sorghum clone 14365357.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 DFHHLPARLV CLSRVFLCML CVWLFSC TLS IFLTIFIYSK HHGSMIPLLS  
51 WMP

L12 ANSWER 9 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:770844 HCAPLUS  
DN 141:237807  
ED Entered STN: 22 Sep 2004  
TI Sorghum nucleic acids and encoded proteins and their uses improvement of  
transgenic plants  
IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei  
PA USA  
SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147,  
abandoned.  
CODEN: USXXCO  
DT Patent  
LA English  
IC A01H001-00; C12N015-82; C07H021-04; C12N009-24  
INCL 800284000; 435200000; 536023200; 435468000  
CC 3-3 (Biochemical Genetics)  
Section cross-reference(s): 6, 11

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24
	INCL	800284000; 435200000; 536023200; 435468000
US 2004172684	NCL	800/284.000 <--
US 2004172684	NCL	800/284.000
	ECLA	C07K014/415; C12N015/82 <--

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST sorghum cDNA protein sequence plant transformation

IT Stress, plant

(cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Cell cycle

(growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant

(heat, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Recombination, genetic

(homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Growth regulators, plant  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Pathogen  
 (improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Carbohydrates, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Disease resistance, plant  
 Growth and development, plant  
 Herbicide resistance  
 (improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Fats and Glyceridic oils, preparation  
 Proteins  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Transcription factors  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Embryophyta  
 Protein sequences  
 Sorghum bicolor  
 Transformation, genetic  
 cDNA sequences  
 (sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (water deficiency, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Photosynthesis, biological  
 (yield improvement by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (yield improvement in; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752234-11-0 752234-12-1 752234-13-2 752234-14-3 752234-15-4  
 752234-16-5 752234-17-6 752234-18-7 752234-19-8 752234-20-1  
 752234-21-2 752234-22-3 752234-23-4 752234-24-5 752234-25-6  
 752618-02-3 752618-03-4 752618-04-5 752618-05-6 752618-06-7  
 752618-07-8 752618-08-9 752618-09-0 752618-10-3 752618-11-4  
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 752618-17-0 752618-18-1 752618-19-2 752618-20-5 752618-21-6  
 752618-22-7 752618-23-8 752618-24-9 752618-25-0 752618-26-1  
 752618-27-2 752618-28-3 752618-29-4 752618-30-7 752618-31-8  
 752618-32-9 752618-33-0 752618-34-1 752618-35-2 752618-36-3  
 752618-37-4 752618-38-5 752618-39-6 752618-40-9 752618-41-0  
 752618-42-1 752618-43-2 752618-44-3 752618-45-4 752618-46-5  
 752618-47-6 752618-48-7 752618-49-8 752618-50-1 752618-51-2  
 752618-52-3 752618-53-4 752618-54-5 752618-55-6 752618-56-7  
 752618-57-8 752618-58-9 752618-59-0 752618-60-3 752618-61-4  
 752618-62-5 752618-63-6 752618-64-7 752618-65-8 752618-66-9  
 752618-67-0 752618-68-1 752618-69-2 752618-70-5 752618-71-6

752618-72-7	752618-73-8	752618-74-9	752618-75-0	752618-76-1
752618-77-2	752618-78-3	752618-79-4	752618-80-7	752618-81-8
752618-82-9	752618-83-0	752618-84-1	752618-85-2	752618-86-3
752618-87-4	752618-88-5	752618-89-6	752618-90-9	752618-91-0
752618-92-1	752618-93-2	752618-94-3	752618-95-4	752618-96-5
752618-97-6	752618-98-7	752618-99-8	752619-00-4	752619-01-5
752619-02-6	752619-03-7	752619-04-8	752619-05-9	752619-06-0
752619-07-1	752619-08-2	752619-09-3	752619-10-6	752619-11-7
752619-12-8	752619-13-9	752619-14-0	752619-15-1	752619-16-2
752619-17-3	752619-18-4	752619-19-5	752619-20-8	752619-21-9
752619-22-0	752619-23-1	752619-24-2	752619-25-3	752619-26-4
752619-27-5	752619-28-6	752619-29-7	752619-30-0	752619-31-1
752619-32-2	752619-33-3	752619-34-4	752619-35-5	752619-36-6
752619-37-7	752619-38-8	752619-39-9	752619-40-2	752619-41-3
752619-42-4	752619-43-5	752619-44-6	752619-45-7	752619-46-8
752619-47-9	752619-48-0	752619-49-1	752619-50-4	752619-51-5
752619-52-6	752619-53-7	752619-54-8	752619-55-9	752619-56-0
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752619-62-8	752619-63-9	752619-64-0	752619-65-1	752619-66-2
752619-67-3	752619-68-4	752619-69-5	752619-70-8	752619-71-9
752619-72-0	752619-73-1	752619-74-2	752619-75-3	752619-76-4
752619-77-5	752619-78-6	752619-79-7	752619-80-0	752619-81-1
752619-82-2	752619-83-3	752619-84-4	752619-85-5	752619-86-6
752619-87-7	752619-88-8	752619-89-9	752619-90-2	752619-91-3
752619-92-4	752619-93-5	752619-94-6	752619-95-7	752619-96-8
752619-97-9	752619-98-0	752619-99-1	752620-00-1	752620-01-2
752620-02-3	752620-03-4	752620-04-5	752620-05-6	752620-06-7
752620-07-8	752620-08-9	752620-09-0	752620-10-3	752620-11-4
752620-12-5	752620-13-6	752620-14-7	752620-15-8	752620-16-9
752620-17-0	752620-18-1	752620-19-2	752620-20-5	752620-21-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752620-22-7	752620-23-8	752620-24-9	752620-25-0	752620-26-1
752620-27-2	752620-28-3	752620-29-4	752620-30-7	752620-31-8
752620-32-9	752620-33-0	752620-34-1	752620-35-2	752620-36-3
752620-37-4	752620-38-5	752620-39-6	752620-40-9	752620-41-0
752620-42-1	752620-43-2	752620-44-3	752620-45-4	752620-46-5
752620-47-6	752620-48-7	752620-49-8	752620-50-1	752620-51-2
752620-52-3	752620-53-4	752620-54-5	752620-55-6	752620-56-7
752620-57-8	752620-58-9	752620-59-0	752620-60-3	752620-61-4
752620-62-5	752620-63-6	752620-64-7	752620-65-8	752620-66-9
752620-67-0	752620-68-1	752620-69-2	752620-70-5	752620-71-6
752620-72-7	752620-73-8	752620-74-9	752620-75-0	752620-76-1
752620-77-2	752620-78-3	752620-79-4	752620-80-7	752620-81-8
752620-82-9	752620-83-0	752620-84-1	752620-85-2	752620-86-3
752620-87-4	752620-88-5	752620-89-6	752620-90-9	752620-91-0
752620-92-1	752620-93-2	752620-94-3	752620-95-4	752620-96-5
752620-97-6	752620-98-7	752620-99-8	752621-00-4	752621-01-5
752621-02-6	752621-03-7	752621-04-8	752621-05-9	752621-06-0
752621-07-1	752621-08-2	752621-09-3	752621-10-6	752621-11-7
752621-12-8	752621-13-9	752621-14-0	752621-15-1	752621-16-2
752621-17-3	752621-18-4	752621-19-5	752621-20-8	752621-21-9
752621-22-0	752621-23-1	752621-24-2	752621-25-3	752621-26-4
752621-27-5	752621-28-6	752621-29-7	752621-30-0	752621-31-1
752621-32-2	752621-33-3	752621-34-4	752621-35-5	752621-36-6
752621-37-7	752621-38-8	752621-39-9	752621-40-2	752621-41-3
752621-42-4	752621-43-5	752621-44-6	752621-45-7	752621-46-8
752621-47-9	752621-48-0	752621-49-1	752621-50-4	752621-51-5
752621-52-6	752621-53-7	752621-54-8	752621-55-9	752621-56-0
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752621-62-8	752621-63-9	752621-64-0	752621-65-1	752621-66-2
752621-67-3	752621-68-4	752621-69-5	752621-70-8	752621-71-9
752621-72-0	752621-73-1	752621-74-2	752621-75-3	752621-76-4
752621-77-5	752621-78-6	752621-79-7	752621-80-0	752621-81-1

752621-82-2	752621-83-3	752621-84-4	752621-85-5	752621-86-6
752621-87-7	752621-88-8	752621-89-9	752621-90-2	752621-91-3
752621-92-4	752621-93-5	752621-94-6	752621-95-7	752621-96-8
752621-97-9	752621-98-0	752621-99-1	752622-00-7	752622-01-8
752622-02-9	752622-03-0	752622-04-1	752622-05-2	752622-06-3
752622-07-4	752622-08-5	752622-09-6	752622-10-9	752622-11-0
752622-12-1	752622-13-2	752622-14-3	752622-15-4	752622-16-5
752622-17-6	752622-18-7	752622-19-8	752622-20-1	752622-21-2
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752622-27-8	752622-28-9	752622-29-0	752622-30-3	752622-31-4
752622-32-5	752622-33-6	752622-34-7	752622-35-8	752622-36-9
752622-37-0	752622-38-1	752622-39-2	752622-40-5	752622-41-6
752622-42-7	752622-43-8	752622-44-9	752622-45-0	752622-46-1
752622-47-2	752622-48-3	752622-49-4	752622-50-7	752622-51-8
752622-52-9	752622-53-0	752622-54-1	752622-55-2	752622-56-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752622-57-4	752622-58-5	752622-59-6	752622-60-9	752622-61-0
	752622-62-1	752622-63-2	752622-64-3	752622-65-4	752622-66-5
	752622-67-6	752622-68-7	752622-69-8	752622-70-1	752622-71-2
	752622-72-3	752622-73-4	752622-74-5	752622-75-6	752622-76-7
	752622-77-8	752622-78-9	752622-79-0	752622-80-3	752622-81-4
	752622-82-5	752622-83-6	752622-84-7	752622-85-8	752622-86-9
	752622-87-0	752622-88-1	752622-89-2	752622-90-5	752622-91-6
	752622-92-7	752622-93-8	752622-94-9	752622-95-0	752622-96-1
	752622-97-2	752622-98-3	752622-99-4	752623-00-0	752623-01-1
	752623-02-2	752623-03-3	752623-04-4	752623-05-5	752623-06-6
	752623-07-7	752623-08-8	752623-09-9	752623-10-2	752623-11-3
	752623-12-4	752623-13-5	752623-14-6	752623-15-7	752623-16-8
	752623-17-9	752623-18-0	752623-19-1	752623-20-4	752623-21-5
	752623-22-6	752623-23-7	752623-24-8	752623-25-9	752623-26-0
	752623-27-1	752623-28-2	752623-29-3	752623-30-6	752623-31-7
	752623-32-8	752623-33-9	752623-34-0	752623-35-1	752623-36-2
	752623-37-3	752623-38-4	752623-39-5	752623-40-8	752623-41-9
	752623-42-0	752623-43-1	752623-44-2	752623-45-3	752623-46-4
	752623-47-5	752623-48-6	752623-49-7	752623-50-0	752623-51-1
	752623-52-2	752623-53-3	752623-54-4	752623-55-5	752623-56-6
	752623-57-7	752623-58-8	752623-59-9	752623-60-2	752623-61-3
	752623-62-4	752623-63-5	752623-64-6	752623-65-7	752623-66-8
	752623-67-9	752623-68-0	752623-69-1	752623-70-4	752623-71-5
	752623-72-6	752623-73-7	752623-74-8	752623-75-9	752623-76-0
	752623-77-1	752623-78-2	752623-79-3	752623-80-6	752623-81-7
	752623-82-8	752623-83-9	752623-84-0	752623-85-1	752623-86-2
	752623-87-3	752623-88-4	752623-89-5	752623-90-8	752623-91-9
	752623-92-0	752623-93-1	752623-94-2	752623-95-3	752623-96-4
	752623-97-5	752623-98-6	752623-99-7	752624-00-3	752624-01-4
	752624-02-5	752624-03-6	752624-04-7	752624-05-8	752624-06-9
	752624-07-0	752624-08-1	752624-09-2	752624-10-5	752624-11-6
	752624-12-7	752624-13-8	752624-14-9	752624-15-0	752624-16-1
	752624-17-2	752624-18-3	752624-19-4	752624-20-7	752624-21-8
	752624-22-9	752624-23-0	752624-24-1	752624-25-2	752624-26-3
	752624-27-4	752624-28-5	752624-29-6	752624-30-9	752624-31-0
	752624-32-1	752624-33-2	752624-34-3	752624-35-4	752624-36-5
	752624-37-6	752624-38-7	752624-39-8	752624-40-1	752624-41-2
	752624-42-3	752624-43-4	752624-44-5	752624-45-6	752624-46-7
	752624-47-8	752624-48-9	752624-49-0	752624-50-3	752624-51-4
	752624-52-5	752624-53-6	752624-54-7	752624-55-8	752624-56-9
	752624-57-0	752624-58-1	752624-59-2	752624-60-5	752624-61-6
	752624-62-7	752624-63-8	752624-64-9	752624-65-0	752624-66-1
	752624-67-2	752624-68-3	752624-69-4	752624-70-7	752624-71-8
	752624-72-9	752624-73-0	752624-74-1	752624-75-2	752624-76-3
	752624-77-4	752624-78-5	752624-79-6	752624-80-9	752624-81-0
	752624-82-1	752624-83-2	752624-84-3	752624-85-4	752624-86-5
	752624-87-6	752624-88-7	752624-89-8	752624-90-1	752624-91-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752624-92-3	752624-93-4	752624-94-5	752624-95-6	752624-96-7
	752624-97-8	752624-98-9	752624-99-0	752625-00-6	752625-01-7
	752625-02-8	752625-03-9	752625-04-0	752625-05-1	752625-06-2
	752625-07-3	752625-08-4	752625-09-5	752625-10-8	752625-11-9
	752625-12-0	752625-13-1	752625-14-2	752625-15-3	752625-16-4
	752625-17-5	752625-18-6	752625-19-7	752625-20-0	752625-21-1
	752625-22-2	752625-23-3	752625-24-4	752625-25-5	752625-26-6
	752625-27-7	752625-28-8	752625-29-9	752625-30-2	
	752625-31-3	752625-32-4	752625-33-5	752625-34-6	752625-35-7
	752625-36-8	752625-37-9	752625-38-0	752625-39-1	752625-40-4
	752625-41-5	752625-42-6	752625-43-7	752625-44-8	752625-45-9
	752625-46-0	752625-47-1	752625-48-2	752625-49-3	752625-50-6
	752625-51-7	752625-52-8	752625-53-9	752625-54-0	752625-55-1
	752625-56-2	752625-57-3	752625-58-4	752625-59-5	752625-60-8
	752625-61-9	752625-62-0	752625-63-1	752625-64-2	752625-65-3
	752625-66-4	752625-67-5	752625-68-6	752625-69-7	752625-70-0
	752625-71-1	752625-72-2	752625-73-3	752625-74-4	752625-75-5
	752625-76-6	752625-77-7	752625-78-8	752625-79-9	752625-80-2
	752625-81-3	752625-82-4	752625-83-5	752625-84-6	752625-85-7
	752625-86-8	752625-87-9	752625-88-0	752625-89-1	752625-90-4
	752625-91-5	752625-92-6	752625-93-7	752625-94-8	752625-95-9
	752625-96-0	752625-97-1	752625-98-2	752625-99-3	752626-00-9
	752626-01-0	752626-02-1	752626-03-2	752626-04-3	752626-05-4
	752626-06-5	752626-07-6	752626-08-7	752626-09-8	752626-10-1
	752626-11-2	752626-12-3	752626-13-4	752626-14-5	752626-15-6
	752626-16-7	752626-17-8	752626-18-9	752626-19-0	752626-20-3
	752626-21-4	752626-22-5	752626-23-6	752626-24-7	752626-25-8
	752626-26-9	752626-27-0	752626-28-1	752626-29-2	752626-30-5
	752626-31-6	752626-32-7	752626-33-8	752626-34-9	752626-35-0
	752626-36-1	752626-37-2	752626-38-3	752626-39-4	752626-40-7
	752626-41-8	752626-42-9	752626-43-0	752626-44-1	752626-45-2
	752626-46-3	752626-47-4	752626-48-5	752626-49-6	752626-50-9
	752626-51-0	752626-52-1	752626-53-2	752626-54-3	752626-55-4
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	752626-61-2	752626-62-3	752626-63-4	752626-64-5	752626-65-6
	752626-66-7	752626-67-8	752626-68-9	752626-69-0	752626-70-3
	752626-71-4	752626-72-5	752626-73-6	752626-74-7	752626-75-8
	752626-76-9	752626-77-0	752626-78-1	752626-79-2	752626-80-5
	752626-81-6	752626-82-7	752626-83-8	752626-84-9	752626-85-0
	752626-86-1	752626-87-2	752626-88-3	752626-89-4	752626-90-7
	752626-91-8	752626-92-9	752626-93-0	752626-94-1	752626-95-2
	752626-96-3	752626-97-4	752626-98-5	752626-99-6	752627-00-2
	752627-01-3	752627-02-4	752627-03-5	752627-04-6	752627-05-7
	752627-06-8	752627-07-9	752627-08-0	752627-09-1	752627-10-4
	752627-11-5	752627-12-6	752627-13-7	752627-14-8	752627-15-9
	752627-16-0	752627-17-1	752627-18-2	752627-19-3	752627-20-6
	752627-21-7	752627-22-8	752627-23-9	752627-24-0	752627-25-1
	752627-26-2				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752627-27-3	752627-28-4	752627-29-5	752627-30-8	752627-31-9
	752627-32-0	752627-33-1	752627-34-2	752627-35-3	752627-36-4
	752627-37-5	752627-38-6	752627-39-7	752627-40-0	752627-41-1
	752627-42-2	752627-43-3	752627-44-4	752627-45-5	752627-46-6
	752627-47-7	752627-48-8	752627-49-9	752627-50-2	752627-51-3
	752627-52-4	752627-53-5	752627-54-6	752627-55-7	752627-56-8
	752627-57-9	752627-58-0	752627-59-1	752627-60-4	752627-61-5
	752627-62-6	752627-63-7	752627-64-8	752627-65-9	752627-66-0
	752627-67-1	752627-68-2	752627-69-3	752627-70-6	752627-71-7
	752627-72-8	752627-73-9	752627-74-0	752627-75-1	752627-76-2

752627-77-3	752627-78-4	752627-79-5	752627-80-8	752627-81-9
752627-82-0	752627-83-1	752627-84-2	752627-85-3	752627-86-4
752627-87-5	752627-88-6	752627-89-7	752627-90-0	752627-91-1
752627-92-2	752627-93-3	752627-94-4	752627-95-5	752627-96-6
752627-97-7	752627-98-8	752627-99-9	752628-00-5	752628-01-6
752628-02-7	752628-03-8	752628-04-9	752628-05-0	752628-06-1
752628-07-2	752628-08-3	752628-09-4	752628-10-7	752628-11-8
752628-12-9	752628-13-0	752628-14-1	752628-15-2	752628-16-3
752628-17-4	752628-18-5	752628-19-6	752628-20-9	752628-21-0
752628-22-1	752628-23-2	752628-24-3	752628-25-4	752628-26-5
752628-27-6	752628-28-7	752628-29-8	752628-30-1	752628-31-2
752628-32-3	752628-33-4	752628-34-5	752628-35-6	752628-36-7
752628-37-8	752628-38-9	752628-39-0	752628-40-3	752628-41-4
752628-42-5	752628-43-6	752628-44-7	752628-45-8	752628-46-9
752628-47-0	752628-48-1	752628-49-2	752628-50-5	752628-51-6
752628-52-7	752628-53-8	752628-54-9	752628-55-0	752628-56-1
752628-57-2	752628-58-3	752628-59-4	752628-60-7	752628-61-8
752628-62-9	752628-63-0	752628-64-1	752628-65-2	752628-66-3
752628-67-4	752628-68-5	752628-69-6	752628-70-9	752628-71-0
752628-72-1	752628-73-2	752628-74-3	752628-75-4	752628-76-5
752628-77-6	752628-78-7	752628-79-8	752628-80-1	752628-81-2
752628-82-3	752628-83-4	752628-84-5	752628-85-6	752628-86-7
752628-87-8	752628-88-9	752628-89-0	752628-90-3	752628-91-4
752628-92-5	752628-93-6	752628-94-7	752628-95-8	752628-96-9
752628-97-0	752628-98-1	752628-99-2	752629-00-8	752629-01-9
752629-02-0	752629-03-1	752629-04-2	752629-05-3	752629-06-4
752629-07-5	752629-08-6	752629-09-7	752629-10-0	752629-11-1
752629-12-2	752629-13-3	752629-14-4	752629-15-5	752629-16-6
752629-17-7	752629-18-8	752629-19-9	752629-20-2	752629-21-3
752629-22-4	752629-23-5	752629-24-6	752629-25-7	752629-26-8
752629-27-9	752629-28-0	752629-29-1	752629-30-4	752629-31-5
752629-32-6	752629-33-7	752629-34-8	752629-35-9	752629-36-0
752629-37-1	752629-38-2	752629-39-3	752629-40-6	752629-41-7
752629-42-8	752629-43-9	752629-44-0	752629-45-1	752629-46-2
752629-47-3	752629-48-4	752629-49-5	752629-50-8	752629-51-9
752629-52-0	752629-53-1	752629-54-2	752629-55-3	752629-56-4
752629-57-5	752629-58-6	752629-59-7	752629-60-0	752629-61-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752629-62-2	752629-63-3	752629-64-4	752629-65-5	752629-66-6
	752629-67-7	752629-68-8	752629-69-9	752629-70-2	752629-71-3
	752629-72-4	752629-73-5	752629-74-6	752629-75-7	752629-76-8
	752629-77-9	752629-78-0	752629-79-1	752629-80-4	752629-81-5
	752629-82-6	752629-83-7	752629-84-8	752629-85-9	752629-86-0
	752629-87-1	752629-88-2	752629-89-3	752629-90-6	752629-91-7
	752629-92-8	752629-93-9	752629-94-0	752629-95-1	752629-96-2
	752629-97-3	752629-98-4	752629-99-5	752630-00-5	752630-01-6
	752630-02-7	752630-03-8	752630-04-9	752630-05-0	752630-06-1
	752630-07-2	752630-08-3	752630-09-4	752630-10-7	752630-11-8
	752630-12-9	752630-13-0	752630-14-1	752630-15-2	752630-16-3
	752630-17-4	752630-18-5	752630-19-6	752630-20-9	752630-21-0
	752630-22-1	752630-23-2	752630-24-3	752630-25-4	752630-26-5
	752630-27-6	752630-28-7	752630-29-8	752630-30-1	752630-31-2
	752630-32-3	752630-33-4	752630-34-5	752630-35-6	752630-36-7
	752630-37-8	752630-38-9	752630-39-0	752630-40-3	752630-41-4
	752630-42-5	752630-43-6	752630-44-7	752630-45-8	752630-46-9
	752630-47-0	752630-48-1	752630-49-2	752630-50-5	752630-51-6
	752630-52-7	752630-53-8	752630-54-9	752630-55-0	752630-56-1
	752630-57-2	752630-58-3	752630-59-4	752630-60-7	752630-61-8
	752630-62-9	752630-63-0	752630-64-1	752630-65-2	752630-66-3
	752630-67-4	752630-68-5	752630-69-6	752630-70-9	752630-71-0
	752630-72-1	752630-73-2	752630-74-3	752630-75-4	752630-76-5
	752630-77-6	752630-78-7	752630-79-8	752630-80-1	752630-81-2
	752630-82-3	752630-83-4	752630-84-5	752630-85-6	752630-86-7

752630-87-8	752630-88-9	752630-89-0	752630-90-3	752630-91-4
752630-92-5	752630-93-6	752630-94-7	752630-95-8	752630-96-9
752630-97-0	752630-98-1	752630-99-2	752631-00-8	752631-01-9
752631-02-0	752631-03-1	752631-04-2	752631-05-3	752631-06-4
752631-07-5	752631-08-6	752631-09-7	752631-10-0	752631-11-1
752631-12-2	752631-13-3	752631-14-4	752631-15-5	752631-16-6
752631-17-7	752631-18-8	752631-19-9	752631-20-2	752631-21-3
752631-22-4	752631-23-5	752631-24-6	752631-25-7	752631-26-8
752631-27-9	752631-28-0	752631-29-1	752631-30-4	752631-31-5
752631-32-6	752631-33-7	752631-34-8	752631-35-9	752631-36-0
752631-37-1	752631-38-2	752631-39-3	752631-40-6	752631-41-7
752631-42-8	752631-43-9	752631-44-0	752631-45-1	752631-46-2
752631-47-3	752631-48-4	752631-49-5	752631-50-8	752631-51-9
752631-52-0	752631-53-1	752631-54-2	752631-55-3	752631-56-4
752631-57-5	752631-58-6	752631-59-7	752631-60-0	752631-61-1
752631-62-2	752631-63-3	752631-64-4	752631-65-5	752631-66-6
752631-67-7	752631-68-8	752631-69-9	752631-70-2	752631-71-3
752631-72-4	752631-73-5	752631-74-6	752631-75-7	752631-76-8
752631-77-9	752631-78-0	752631-79-1	752631-80-4	752631-81-5
752631-82-6	752631-83-7	752631-84-8	752631-85-9	752631-86-0
752631-87-1	752631-88-2	752631-89-3	752631-90-6	752631-91-7
752631-92-8	752631-93-9	752631-94-0	752631-95-1	752631-96-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752631-97-3	752631-98-4	752631-99-5	752632-00-1	752632-01-2
	752632-02-3	752632-03-4	752632-04-5	752632-05-6	752632-06-7
	752632-07-8	752632-08-9	752632-09-0	752632-10-3	752632-11-4
	752632-12-5	752632-13-6	752632-14-7	752632-15-8	752632-16-9
	752632-17-0	752632-18-1	752632-19-2	752632-20-5	752632-21-6
	752632-22-7	752632-23-8	752632-24-9	752632-25-0	752632-26-1
	752632-27-2	752632-28-3	752632-29-4	752632-30-7	752632-31-8
	752632-32-9	752632-33-0	752632-34-1	752632-35-2	752632-36-3
	752632-37-4	752632-38-5	752632-39-6	752632-40-9	752632-41-0
	752632-42-1	752632-43-2	752632-44-3	752632-45-4	752632-46-5
	752632-47-6	752632-48-7	752632-49-8	752632-50-1	752632-51-2
	752632-52-3	752632-53-4	752632-54-5	752632-55-6	752632-56-7
	752632-57-8	752632-58-9	752632-59-0	752632-60-3	752632-61-4
	752632-62-5	752632-63-6	752632-64-7	752632-65-8	752632-66-9
	752632-67-0	752632-68-1	752632-69-2	752632-70-5	752632-71-6
	752632-72-7	752632-73-8	752632-74-9	752632-75-0	752632-76-1
	752632-77-2	752632-78-3	752632-79-4	752632-80-7	752632-81-8
	752632-82-9	752632-83-0	752632-84-1	752632-85-2	752632-86-3
	752632-87-4	752632-88-5	752632-89-6	752632-90-9	752632-91-0
	752632-92-1	752632-93-2	752632-94-3	752632-95-4	752632-96-5
	752632-97-6	752632-98-7	752632-99-8	752633-00-4	752633-01-5
	752633-02-6	752633-03-7	752633-04-8	752633-05-9	752633-06-0
	752633-07-1	752633-08-2	752633-09-3	752633-10-6	752633-11-7
	752633-12-8	752633-13-9	752633-14-0	752633-15-1	752633-16-2
	752633-17-3	752633-18-4	752633-19-5	752633-20-8	752633-21-9
	752633-22-0	752633-23-1	752633-24-2	752633-25-3	752633-26-4
	752633-27-5	752633-28-6	752633-29-7	752633-30-0	752633-31-1
	752633-32-2	752633-33-3	752633-34-4	752633-35-5	752633-36-6
	752633-37-7	752633-38-8	752633-39-9	752633-40-2	752633-41-3
	752633-42-4	752633-43-5	752633-44-6	752633-45-7	752633-46-8
	752633-47-9	752633-48-0	752633-49-1	752633-50-4	752633-51-5
	752633-52-6	752633-53-7	752633-54-8	752633-55-9	752633-56-0
	752633-57-1	752633-58-2	752633-59-3	752633-60-6	752633-61-7
	752633-62-8	752633-63-9	752633-64-0	752633-65-1	752633-66-2
	752633-67-3	752633-68-4	752633-69-5	752633-70-8	752633-73-1
	752633-75-3	752633-77-5	752633-79-7	752633-82-2	752633-84-4
	752633-86-6	752633-89-9	752633-91-3	752633-93-5	752633-96-8
	752633-98-0	752634-00-7	752634-03-0	752634-05-2	752634-07-4
	752634-09-6	752634-12-1	752634-14-3	752634-17-6	752634-19-8
	752634-21-2	752634-23-4	752634-25-6	752634-28-9	752634-30-3

752634-32-5	752634-34-7	752634-37-0	752634-39-2	752634-41-6
752634-44-9	752634-45-0	752634-47-2	752634-49-4	752634-52-9
752634-54-1	752634-56-3	752634-58-5	752634-60-9	752634-63-2
752634-65-4	752634-67-6	752634-69-8	752634-70-1	752634-71-2
752634-72-3	752634-73-4	752634-74-5	752634-75-6	752634-76-7
752634-77-8	752634-78-9	752634-79-0	752634-80-3	752634-81-4
752634-82-5	752634-83-6	752634-84-7	752634-85-8	752634-86-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752634-87-0	752634-88-1	752634-89-2	752634-90-5	752634-91-6
	752634-92-7	752634-94-9	752634-95-0	752634-96-1	752634-97-2
	752634-98-3	752634-99-4	752635-00-0	752635-01-1	752635-03-3
	752635-05-5	752635-07-7	752635-09-9	752635-11-3	752635-12-4
	752635-13-5	752635-16-8	752635-18-0	752635-20-4	752635-22-6
	752635-23-7	752635-24-8	752635-25-9	752635-26-0	752635-27-1
	752635-28-2	752635-31-7	752635-33-9	752635-35-1	752635-37-3
	752635-40-8	752635-42-0	752635-43-1	752635-44-2	752635-45-3
	752635-46-4	752635-47-5	752635-48-6	752635-50-0	752635-53-3
	752635-55-5	752635-57-7	752635-60-2	752635-62-4	752635-64-6
	752635-66-8	752635-67-9	752635-68-0	752635-69-1	752635-70-4
	752635-71-5	752635-72-6	752635-73-7	752635-74-8	752635-75-9
	752635-76-0	752635-77-1	752635-79-3	752635-81-7	752635-82-8
	752635-83-9	752635-85-1	752635-87-3	752635-89-5	752635-90-8
	752635-91-9	752635-92-0	752635-95-3	752635-97-5	752635-99-7
	752636-00-3	752636-01-4	752636-02-5	752636-03-6	752636-04-7
	752636-05-8	752636-06-9	752636-08-1	752636-10-5	752636-13-8
	752636-15-0	752636-18-3	752636-19-4	752636-20-7	752636-21-8
	752636-22-9	752636-23-0	752636-24-1	752636-25-2	752636-26-3
	752636-27-4	752636-29-6	752636-30-9	752636-31-0	752636-32-1
	752636-33-2	752636-34-3	752636-35-4	752636-36-5	752636-37-6
	752636-38-7	752636-40-1	752636-42-3	752636-43-4	752636-44-5
	752636-46-7	752636-47-8	752636-48-9	752636-49-0	752636-50-3
	752636-51-4	752636-52-5	752636-53-6	752636-54-7	752636-55-8
	752636-56-9	752636-57-0	752636-58-1	752636-59-2	752636-60-5
	752636-61-6	752636-62-7	752636-63-8	752636-64-9	752636-65-0
	752636-66-1	752636-67-2	752636-68-3	752636-69-4	752636-70-7
	752636-71-8	752636-72-9	752636-73-0	752636-74-1	752636-75-2
	752636-76-3	752636-77-4	752636-78-5	752636-79-6	752636-80-9
	752636-81-0	752636-82-1	752636-83-2	752636-84-3	752636-85-4
	752636-86-5	752636-87-6	752636-88-7	752636-89-8	752636-90-1
	752636-91-2	752636-92-3	752636-93-4	752636-94-5	752636-95-6
	752636-96-7	752636-97-8	752636-98-9	752636-99-0	752637-00-6
	752637-01-7	752637-02-8	752637-03-9	752637-04-0	752637-05-1
	752637-06-2	752637-07-3	752637-08-4	752637-09-5	752637-10-8
	752637-11-9	752637-12-0	752637-13-1	752637-14-2	752637-15-3
	752637-16-4	752637-17-5	752637-18-6	752637-19-7	752637-20-0
	752637-21-1	752637-22-2	752637-23-3	752637-24-4	752637-25-5
	752637-26-6	752637-27-7	752637-28-8	752637-29-9	752637-30-2
	752637-31-3	752637-32-4	752637-33-5	752637-34-6	752637-35-7
	752637-36-8	752637-37-9	752637-38-0	752637-39-1	752637-40-4
	752637-41-5	752637-42-6	752637-43-7	752637-44-8	752637-45-9
	752637-46-0	752637-47-1	752637-48-2	752637-49-3	752637-50-6
	752637-51-7	752637-52-8	752637-53-9	752637-54-0	752637-55-1
	752637-56-2	752637-57-3	752637-58-4	752637-60-8	752637-63-1
	752637-65-3	752637-67-5	752637-70-0	752637-72-2	752637-74-4
	752637-77-7	752637-79-9	752637-81-3	752637-83-5	752637-87-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752637-89-1	752637-90-4	752637-91-5	752637-93-7	752637-96-0
	752637-98-2	752638-00-9	752638-03-2	752638-05-4	752638-07-6
	752638-09-8	752638-12-3	752638-14-5	752638-16-7	752638-19-0
	752638-22-5	752638-25-8	752638-27-0	752638-29-2	752638-32-7

752638-34-9	752638-36-1	752638-39-4	752638-41-8	752638-43-0
752638-46-3	752638-48-5	752638-50-9	752638-52-1	752638-54-3
752638-56-5	752638-60-1	752638-62-3	752638-65-6	752638-67-8
752638-69-0	752638-72-5	752638-74-7	752638-79-2	752638-81-6
752638-83-8	752638-86-1	752638-88-3	752638-90-7	752638-93-0
752638-96-3	752638-99-6	752639-01-3	752639-03-5	752639-06-8
752639-08-0	752639-10-4	752639-13-7	752639-15-9	752639-17-1
752639-20-6	752639-22-8	752639-24-0	752639-27-3	752639-29-5
752639-31-9	752639-34-2	752639-36-4	752639-38-6	752639-40-0
752639-43-3	752639-45-5	752639-47-7	752639-50-2	752639-52-4
752639-53-5	752639-56-8	752639-58-0	752639-60-4	752639-64-8
752639-66-0	752639-69-3	752639-71-7	752639-73-9	752639-75-1
752639-78-4	752639-81-9	752639-83-1	752639-86-4	752639-88-6
752639-90-0	752639-94-4	752639-96-6	752639-98-8	752640-01-0
752640-03-2	752640-05-4	752640-08-7	752640-10-1	752640-12-3
752640-14-5	752640-17-8	752640-19-0	752640-21-4	752640-23-6
752640-26-9	752640-28-1	752640-30-5	752640-32-7	752640-35-0
752640-37-2	752640-39-4	752640-42-9	752640-44-1	752640-48-5
752640-50-9	752640-52-1	752640-54-3	752640-57-6	752640-58-7
752640-60-1	752640-62-3	752640-65-6	752640-67-8	752640-69-0
752640-72-5	752640-74-7	752640-77-0	752640-79-2	752640-82-7
752640-84-9	752640-86-1	752640-89-4	752640-91-8	752640-93-0
752640-95-2	752640-98-5	752641-00-2	752641-02-4	752641-05-7
752641-07-9	752641-10-4	752641-13-7	752641-15-9	752641-17-1
752641-19-3	752641-21-7	752641-24-0	752641-26-2	752641-28-4
752641-30-8	752641-32-0	752641-35-3	752641-37-5	752641-39-7
752641-42-2	752641-44-4	752641-46-6	752641-48-8	752641-50-2
752641-52-4	752641-55-7	752641-57-9	752641-59-1	752641-62-6
752641-64-8	752641-66-0	752641-68-2	752641-71-7	752641-74-0
752641-76-2	752641-78-4	752641-81-9	752641-83-1	752641-85-3
752641-88-6	752641-90-0	752641-92-2	752641-94-4	752641-97-7
752641-99-9	752642-01-6	752642-04-9	752642-06-1	752642-08-3
752642-10-7	752642-12-9	752642-15-2	752642-17-4	752642-19-6
752642-22-1	752642-24-3	752642-26-5	752642-28-7	752642-31-2
752642-33-4	752642-35-6	752642-38-9	752642-43-6	752642-45-8
752642-47-0	752642-50-5	752642-52-7	752642-54-9	752642-56-1
752642-59-4	752642-61-8	752642-63-0	752642-65-2	752642-68-5
752642-71-0	752642-74-3	752642-76-5	752642-79-8	752642-81-2
752642-83-4	752642-85-6	752642-87-8	752642-89-0	752642-92-5
752642-94-7	752642-96-9	752642-98-1	752643-01-9	752643-03-1
752643-05-3	752643-07-5	752643-10-0	752643-12-2	752643-14-4
752643-16-6	752643-19-9	752643-21-3	752643-23-5	752643-25-7
752643-28-0	752643-30-4	752643-32-6	752643-34-8	752643-36-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752643-38-2	752643-40-6	752643-43-9	752643-45-1	752643-47-3
	752643-49-5	752643-52-0	752643-54-2	752643-56-4	752643-58-6
	752643-61-1	752643-64-4	752643-66-6	752643-68-8	752643-70-2
	752643-73-5	752643-75-7	752643-77-9	752643-81-5	752643-83-7
	752643-85-9	752643-88-2	752643-90-6	752643-92-8	752643-94-0
	752643-96-2	752643-99-5	752644-01-2	752644-03-4	752644-05-6
	752644-08-9	752644-10-3	752644-12-5	752644-14-7	752644-16-9
	752644-19-2	752644-21-6	752644-23-8	752644-26-1	752644-28-3
	752644-30-7	752644-32-9	752644-34-1	752644-36-3	752644-39-6
	752644-41-0	752644-43-2	752644-45-4	752644-48-7	752644-50-1
	752644-52-3	752644-54-5	752644-57-8	752644-60-3	752644-62-5
	752644-64-7	752644-66-9	752644-69-2	752644-71-6	752644-73-8
	752644-75-0	752644-78-3	752644-80-7	752644-82-9	752644-84-1
	752644-86-3	752644-88-5	752644-91-0	752644-93-2	752644-95-4
	752644-97-6	752645-00-4	752645-02-6	752645-04-8	752645-06-0
	752645-08-2	752645-11-7	752645-13-9	752645-17-3	752645-19-5
	752645-22-0	752645-23-1	752645-25-3	752645-27-5	752645-29-7
	752645-32-2	752645-34-4	752645-36-6	752645-38-8	752645-39-9
	752645-41-3	752645-43-5	752645-46-8	752645-49-1	752645-51-5

752645-53-7	752645-55-9	752645-58-2	752645-60-6	752645-62-8
752645-64-0	752645-67-3	752645-69-5	752645-71-9	752645-73-1
752645-76-4	752645-78-6	752645-80-0	752645-82-2	752645-84-4
752645-87-7	752645-89-9	752645-91-3	752645-93-5	752645-96-8
752645-98-0	752646-00-7	752646-02-9	752646-04-1	752646-07-4
752646-09-6	752646-11-0	752646-13-2	752646-15-4	752646-17-6
752646-20-1	752646-22-3	752646-24-5	752646-26-7	752646-29-0
752646-31-4	752646-33-6	752646-35-8	752646-38-1	752646-41-6
752646-43-8	752646-45-0	752646-47-2	752646-49-4	752646-52-9
752646-54-1	752646-56-3	752646-58-5	752646-60-9	752646-63-2
752646-65-4	752646-67-6	752646-69-8	752646-72-3	752646-74-5
752646-76-7	752646-78-9	752646-80-3	752646-82-5	752646-85-8
752646-87-0	752646-89-2	752646-91-6	752646-94-9	752646-96-1
752646-98-3	752647-00-0	752647-02-2	752647-04-4	752647-06-6
752647-08-8	752647-11-3	752647-13-5	752647-15-7	752647-17-9
752647-20-4	752647-22-6	752647-24-8	752647-27-1	752647-29-3
752647-31-7	752647-33-9	752647-36-2	752647-38-4	752647-40-8
752647-42-0	752647-45-3	752647-47-5	752647-49-7	752647-52-2
752647-54-4	752647-56-6	752647-58-8	752647-61-3	752647-63-5
752647-65-7	752647-67-9	752647-69-1	752647-71-5	752647-74-8
752647-76-0	752647-78-2	752647-80-6	752647-82-8	752647-85-1
752647-87-3	752647-89-5	752647-91-9	752647-93-1	752647-95-3
752647-99-7	752648-01-4	752648-03-6	752648-05-8	752648-08-1
752648-10-5	752648-12-7	752648-15-0	752648-17-2	752648-19-4
752648-21-8	752648-24-1	752648-26-3	752648-28-5	752648-30-9
752648-33-2	752648-35-4	752648-37-6	752648-39-8	752648-41-2
752648-44-5	752648-46-7	752648-48-9	752648-50-3	752648-52-5
752648-55-8	752648-57-0	752648-59-2	752648-61-6	752648-63-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752648-65-0	752648-68-3	752648-70-7	752648-72-9	752648-74-1
	752648-76-3	752648-78-5	752648-80-9	752648-82-1	752648-84-3
	752648-87-6	752648-89-8	752648-91-2	752648-93-4	752648-95-6
	752648-98-9	752649-00-6	752649-03-9	752649-05-1	752649-07-3
	752649-09-5	752649-12-0	752649-14-2	752649-16-4	752649-18-6
	752649-20-0	752649-24-4	752649-26-6	752649-28-8	752649-30-2
	752649-32-4	752649-34-6	752649-37-9	752649-39-1	752649-41-5
	752649-43-7	752649-45-9	752649-48-2	752649-50-6	752649-52-8
	752649-55-1	752649-57-3	752649-59-5	752649-61-9	752649-63-1
	752649-65-3	752649-67-5	752649-69-7	752649-71-1	752649-73-3
	752649-76-6	752649-78-8	752649-80-2	752649-82-4	752649-84-6
	752649-87-9	752649-89-1	752649-91-5	752649-93-7	752649-96-0
	752649-98-2	752650-00-3	752650-02-5	752650-04-7	752650-06-9
	752650-09-2	752650-11-6	752650-13-8	752650-15-0	752650-17-2
	752650-19-4	752650-22-9	752650-24-1	752650-26-3	752650-28-5
	752650-30-9	752650-32-1	752650-34-3	752650-36-5	752650-39-8
	752650-41-2	752650-43-4	752650-45-6	752650-47-8	752650-49-0
	752650-51-4	752650-53-6	752650-55-8	752650-57-0	752650-60-5
	752650-62-7	752650-64-9	752650-66-1	752650-68-3	752650-71-8
	752650-74-1	752650-76-3	752650-78-5	752650-80-9	752650-82-1
	752650-83-2	752650-84-3	752650-85-4	752650-87-6	752650-88-7
	752650-89-8	752650-90-1	752650-92-3	752650-93-4	752650-94-5
	752650-95-6	752650-96-7	752650-99-0	752651-01-7	752651-03-9
	752651-05-1	752651-07-3	752651-09-5	752651-11-9	752651-14-2
	752651-15-3	752651-17-5	752651-19-7	752651-21-1	752651-23-3
	752651-25-5	752651-27-7	752651-30-2	752651-32-4	752651-34-6
	752651-35-7	752651-36-8	752651-38-0	752651-40-4	752651-43-7
	752651-45-9	752651-47-1	752651-49-3	752651-51-7	752651-53-9
	752651-56-2	752651-58-4	752651-60-8	752651-62-0	752651-64-2
	752651-66-4	752651-68-6	752651-71-1	752651-73-3	752651-75-5
	752651-77-7	752651-79-9	752651-81-3	752651-83-5	752651-85-7
	752651-88-0	752651-90-4	752651-92-6	752651-94-8	752651-96-0
	752651-98-2	752652-00-9	752652-02-1	752652-04-3	752652-07-6
	752652-09-8	752652-11-2	752652-13-4	752652-15-6	752652-17-8

752652-19-0	752652-22-5	752652-24-7	752652-26-9	752652-29-2
752652-31-6	752652-33-8	752652-35-0	752652-37-2	752652-40-7
752652-42-9	752652-44-1	752652-46-3	752652-48-5	752652-50-9
752652-52-1	752652-54-3	752652-56-5	752652-59-8	752652-61-2
752652-63-4	752652-65-6	752652-67-8	752652-69-0	752652-71-4
752652-74-7	752652-76-9	752652-78-1	752652-80-5	752652-82-7
752652-84-9	752652-86-1	752652-88-3	752652-90-7	752652-93-0
752652-95-2	752652-97-4	752652-99-6	752653-01-3	752653-03-5
752653-06-8	752653-08-0	752653-10-4	752653-12-6	752653-15-9
752653-17-1	752653-19-3	752653-21-7	752653-23-9	752653-25-1
752653-28-4	752653-30-8	752653-32-0	752653-34-2	752653-36-4
752653-38-6	752653-41-1	752653-43-3	752653-45-5	752653-47-7
752653-49-9	752653-51-3	752653-54-6	752653-56-8	752653-58-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752653-60-4	752653-63-7	752653-64-8	752653-65-9	752653-68-2
	752653-70-6	752653-72-8	752653-74-0	752653-76-2	752653-78-4
	752653-80-8	752653-82-0	752653-85-3	752653-87-5	752653-89-7
	752653-91-1	752653-94-4	752653-96-6	752653-98-8	752654-00-5
	752654-02-7	752654-04-9	752654-06-1	752654-08-3	752654-10-7
	752654-13-0	752654-15-2	752654-17-4	752654-19-6	752654-21-0
	752654-23-2	752654-25-4	752654-27-6	752654-30-1	752654-32-3
	752654-34-5	752654-36-7	752654-38-9	752654-40-3	752654-42-5
	752654-44-7	752654-46-9	752654-48-1	752654-51-6	752654-53-8
	752654-55-0	752654-57-2	752654-59-4	752654-61-8	752654-63-0
	752654-66-3	752654-68-5	752654-71-0	752654-73-2	752654-75-4
	752654-77-6	752654-79-8	752654-81-2	752654-83-4	752654-85-6
	752654-88-9	752654-90-3	752654-92-5	752654-94-7	752654-96-9
	752654-98-1	752655-00-8	752655-02-0	752655-05-3	752655-07-5
	752655-09-7	752655-11-1	752655-13-3	752655-15-5	752655-17-7
	752655-20-2	752655-21-3	752655-23-5	752655-25-7	752655-27-9
	752655-29-1	752655-31-5	752655-33-7	752655-35-9	752655-37-1
	752655-39-3	752655-41-7	752655-44-0	752655-46-2	752655-48-4
	752655-51-9	752655-53-1	752655-55-3	752655-58-6	752655-60-0
	752655-62-2	752655-64-4	752655-66-6	752655-68-8	752655-71-3
	752655-73-5	752655-75-7	752655-77-9	752655-79-1	752655-81-5
	752655-83-7	752655-86-0	752655-88-2	752655-90-6	752655-92-8
	752655-94-0	752655-96-2	752655-98-4	752656-00-1	752656-02-3
	752656-04-5	752656-06-7	752656-09-0	752656-11-4	752656-13-6
	752656-15-8	752656-17-0	752656-19-2	752656-22-7	752656-24-9
	752656-26-1	752656-28-3	752656-30-7	752656-32-9	752656-34-1
	752656-36-3	752656-38-5	752656-41-0	752656-43-2	752656-45-4
	752656-47-6	752656-49-8	752656-51-2	752656-53-4	752656-55-6
	752656-57-8	752656-59-0	752656-62-5	752656-64-7	752656-66-9
	752656-68-1	752656-70-5	752656-72-7	752656-74-9	752656-76-1
	752656-78-3	752656-80-7	752656-82-9	752656-84-1	752656-87-4
	752656-89-6	752656-91-0	752656-93-2	752656-95-4	752656-97-6
	752657-00-4	752657-02-6	752657-04-8	752657-06-0	752657-09-3
	752657-11-7	752657-14-0	752657-16-2	752657-18-4	752657-20-8
	752657-22-0	752657-24-2	752657-26-4	752657-28-6	752657-30-0
	752657-32-2	752657-34-4	752657-37-7	752657-39-9	752657-41-3
	752657-43-5	752657-45-7	752657-47-9	752657-49-1	752657-50-4
	752657-52-6	752657-55-9	752657-57-1	752657-59-3	752657-61-7
	752657-63-9	752657-65-1	752657-67-3	752657-69-5	752657-72-0
	752657-74-2	752657-76-4	752657-78-6	752657-80-0	752657-83-3
	752657-85-5	752657-87-7	752657-89-9	752657-91-3	752657-93-5
	752657-95-7	752657-97-9	752657-99-1	752658-01-8	752658-03-0
	752658-06-3	752658-08-5	752658-10-9	752658-12-1	752658-14-3
	752658-16-5	752658-18-7	752658-20-1	752658-22-3	752658-24-5
	752658-26-7	752658-28-9	752658-30-3	752658-32-5	752658-34-7
	752658-36-9	752658-38-1	752658-41-6	752658-43-8	752658-45-0
	752658-47-2	752658-49-4	752658-51-8	752658-55-2	752658-57-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)					
IT	752658-59-6	752658-61-0	752658-63-2	752658-65-4	752658-67-6
	752658-70-1	752658-72-3	752658-74-5	752658-76-7	752658-78-9
	752658-80-3	752658-82-5	752658-84-7	752658-87-0	752658-89-2
	752658-91-6	752658-93-8	752658-95-0	752658-97-2	752658-99-4
	752659-01-1	752659-03-3	752659-05-5	752659-07-7	752659-09-9
	752659-11-3	752659-13-5	752659-15-7	752659-17-9	752659-20-4
	752659-22-6	752659-24-8	752659-26-0	752659-29-3	752659-31-7
	752659-33-9	752659-35-1	752659-37-3	752659-39-5	752659-41-9
	752659-43-1	752659-45-3	752659-47-5	752659-49-7	752659-51-1
	752659-53-3	752659-56-6	752659-58-8	752659-60-2	752659-62-4
	752659-64-6	752659-66-8	752659-68-0	752659-70-4	752659-72-6
	752659-74-8	752659-76-0	752659-78-2	752659-80-6	752659-82-8
	752659-84-0	752659-86-2	752659-88-4	752659-90-8	752659-93-1
	752659-95-3	752659-97-5	752660-00-7	752660-02-9	752660-04-1
	752660-06-3	752660-08-5	752660-10-9	752660-12-1	752660-14-3
	752660-16-5	752660-19-8	752660-21-2	752660-23-4	752660-25-6
	752660-27-8	752660-29-0	752660-31-4	752660-33-6	752660-35-8
	752660-37-0	752660-40-5	752660-42-7	752660-44-9	752660-46-1
	752660-48-3	752660-50-7	752660-51-8	752660-53-0	752660-56-3
	752660-58-5	752660-60-9	752660-62-1	752660-64-3	752660-66-5
	752660-68-7	752660-70-1	752660-73-4	752660-75-6	752660-77-8
	752660-79-0	752660-81-4	752660-83-6	752660-85-8	752660-88-1
	752660-90-5	752660-92-7	752660-94-9	752660-96-1	752660-98-3
	752661-00-0	752661-02-2	752661-04-4	752661-06-6	752661-09-9
	752661-11-3	752661-13-5	752661-15-7	752661-17-9	752661-19-1
	752661-20-4	752661-21-5	752661-22-6	752661-23-7	752661-24-8
	752661-25-9	752661-26-0	752661-27-1	752661-28-2	752661-31-7
	752661-33-9	752661-35-1	752661-37-3	752661-39-5	752661-41-9
	752661-44-2	752661-46-4	752661-48-6	752661-50-0	752661-52-2
	752661-54-4	752661-56-6	752661-58-8	752661-60-2	752661-62-4
	752661-64-6	752661-66-8	752661-68-0	752661-70-4	752661-72-6
	752661-76-0	752661-78-2	752661-80-6	752661-82-8	752661-84-0
	752661-86-2	752661-88-4	752661-90-8	752661-92-0	752661-94-2
	752661-96-4	752661-98-6	752662-00-3	752662-02-5	752662-04-7
	752662-06-9	752662-09-2	752662-11-6	752662-13-8	752662-15-0
	752662-17-2	752662-20-7	752662-22-9	752662-24-1	752662-26-3
	752662-28-5	752662-30-9	752662-33-2	752662-35-4	752662-37-6
	752662-39-8	752662-41-2	752662-43-4	752662-45-6	752662-47-8
	752662-49-0	752662-51-4	752662-53-6	752662-55-8	752662-57-0
	752662-59-2	752662-61-6	752662-63-8	752662-65-0	752662-68-3
	752662-69-4	752662-72-9	752662-74-1	752662-76-3	752662-78-5
	752662-80-9	752662-82-1	752662-84-3	752662-85-4	752662-86-5
	752662-89-8	752662-91-2	752662-93-4	752662-95-6	752662-97-8
	752662-99-0	752663-02-8	752663-04-0	752663-06-2	752663-08-4
	752663-10-8	752663-12-0	752663-14-2	752663-17-5	752663-19-7
	752663-21-1	752663-23-3	752663-25-5	752663-27-7	752663-29-9
	752663-31-3	752663-33-5	752663-35-7	752663-37-9	752663-39-1
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)					
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)					
IT	752663-41-5	752663-43-7	752663-46-0	752663-48-2	752663-50-6
	752663-52-8	752663-55-1	752663-56-2	752663-59-5	752663-61-9
	752663-64-2	752663-66-4	752663-68-6	752663-70-0	752663-72-2
	752663-74-4	752663-76-6	752663-78-8	752663-80-2	752663-82-4
	752663-84-6	752663-86-8	752663-89-1	752663-91-5	752663-94-8
	752663-96-0	752663-98-2	752664-00-9	752664-02-1	752664-04-3
	752664-06-5	752664-08-7	752664-10-1	752664-13-4	752664-15-6
	752664-17-8	752664-19-0	752664-21-4	752664-24-7	752664-26-9
	752664-28-1	752664-30-5	752664-32-7	752664-34-9	752664-36-1
	752664-38-3	752664-40-7	752664-42-9	752664-44-1	752664-48-5
	752664-50-9	752664-52-1	752664-54-3	752664-55-4	752664-57-6
	752664-59-8	752664-61-2	752664-63-4	752664-65-6	752664-67-8
	752664-69-0	752664-71-4	752664-73-6	752664-75-8	752664-77-0

752664-79-2	752664-82-7	752664-84-9	752664-86-1	752664-88-3
752664-90-7	752664-92-9	752664-94-1	752664-96-3	752664-98-5
752665-00-2	752665-02-4	752665-05-7	752665-07-9	752665-09-1
752665-10-4	752665-13-7	752665-15-9	752665-17-1	752665-19-3
752665-21-7	752665-23-9	752665-25-1	752665-27-3	752665-29-5
752665-31-9	752665-33-1	752665-35-3	752665-37-5	752665-39-7
752665-41-1	752665-43-3	752665-45-5	752665-47-7	752665-50-2
752665-52-4	752665-54-6	752665-56-8	752665-58-0	752665-60-4
752665-62-6	752665-64-8	752665-66-0	752665-68-2	752665-70-6
752665-72-8	752665-74-0	752665-76-2	752665-79-5	752665-81-9
752665-83-1	752665-86-4	752665-88-6	752665-90-0	752665-92-2
752665-94-4	752665-96-6	752665-98-8	752666-00-5	752666-02-7
752666-04-9	752666-06-1	752666-08-3	752666-10-7	752666-12-9
752666-14-1	752666-16-3	752666-19-6	752666-21-0	752666-23-2
752666-25-4	752666-27-6	752666-29-8	752666-31-2	752666-33-4
752666-35-6	752666-37-8	752666-39-0	752666-42-5	752666-44-7
752666-46-9	752666-48-1	752666-50-5	752666-52-7	752666-54-9
752666-56-1	752666-58-3	752666-60-7	752666-62-9	752666-64-1
752666-66-3	752666-68-5	752666-70-9	752666-72-1	752666-74-3
752666-76-5	752666-78-7	752666-80-1	752666-82-3	752666-84-5
752666-87-8	752666-89-0	752666-91-4	752666-93-6	752666-95-8
752666-97-0	752666-99-2	752667-01-9	752667-03-1	752667-05-3
752667-07-5	752667-09-7	752667-12-2	752667-14-4	752667-16-6
752667-19-9	752667-21-3	752667-23-5	752667-25-7	752667-27-9
752667-29-1	752667-31-5	752667-33-7	752667-35-9	752667-37-1
752667-39-3	752667-41-7	752667-43-9	752667-45-1	752667-47-3
752667-49-5	752667-52-0	752667-54-2	752667-56-4	752667-58-6
752667-60-0	752667-62-2	752667-64-4	752667-66-6	752667-68-8
752667-70-2	752667-72-4	752667-74-6	752667-76-8	752667-78-0
752667-80-4	752667-83-7	752667-85-9	752667-87-1	752667-89-3
752667-91-7	752667-93-9	752667-95-1	752667-97-3	752667-99-5
752668-01-2	752668-03-4	752668-05-6	752668-07-8	752668-09-0
752668-11-4	752668-13-6	752668-15-8	752668-17-0	752668-20-5
752668-22-7	752668-24-9	752668-26-1	752668-28-3	752668-30-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752668-32-9	752668-34-1	752668-36-3	752668-38-5	752668-40-9
	752668-42-1	752668-44-3	752668-46-5	752668-48-7	752668-50-1
	752668-52-3	752668-54-5	752668-56-7	752668-58-9	752668-60-3
	752668-62-5	752668-64-7	752668-67-0	752668-68-1	752668-70-5
	752668-72-7	752668-74-9	752668-76-1	752668-78-3	752668-81-8
	752668-83-0	752668-85-2	752668-87-4	752668-89-6	752668-91-0
	752668-93-2	752668-96-5	752668-98-7	752669-00-4	752669-02-6
	752669-04-8	752669-06-0	752669-08-2	752669-10-6	752669-12-8
	752669-14-0	752669-16-2	752669-18-4	752669-20-8	752669-22-0
	752669-24-2	752669-26-4	752669-28-6	752669-30-0	752669-33-3
	752669-34-4	752669-36-6	752669-39-9	752669-41-3	752669-43-5
	752669-45-7	752669-47-9	752669-49-1	752669-51-5	752669-53-7
	752669-55-9	752669-57-1	752669-59-3	752669-61-7	752669-63-9
	752669-66-2	752669-68-4	752669-70-8	752669-72-0	752669-74-2
	752669-76-4	752669-78-6	752669-80-0	752669-82-2	752669-84-4
	752669-86-6	752669-88-8	752669-91-3	752669-93-5	752669-95-7
	752669-97-9	752669-98-0	752670-00-1	752670-02-3	752670-05-6
	752670-07-8	752670-09-0	752670-11-4	752670-13-6	752670-15-8
	752670-17-0	752670-19-2	752670-21-6	752670-23-8	752670-25-0
	752670-27-2	752670-29-4	752670-31-8	752670-33-0	752670-36-3
	752670-38-5	752670-40-9	752670-42-1	752670-44-3	752670-46-5
	752670-48-7	752670-50-1	752670-52-3	752670-54-5	752670-56-7
	752670-58-9	752670-60-3	752670-62-5	752670-64-7	752670-66-9
	752670-68-1	752670-70-5	752670-72-7	752670-74-9	752670-76-1
	752670-78-3	752670-81-8	752670-83-0	752670-85-2	752670-87-4
	752670-89-6	752670-91-0	752670-93-2	752670-95-4	752670-97-6
	752670-99-8	752671-01-5	752671-03-7	752671-06-0	752671-08-2
	752671-10-6	752671-12-8	752671-14-0	752671-15-1	752671-17-3

752671-19-5	752671-21-9	752671-23-1	752671-25-3	752671-27-5
752671-29-7	752671-31-1	752671-33-3	752671-35-5	752671-37-7
752671-39-9	752671-41-3	752671-44-6	752671-46-8	752671-48-0
752671-50-4	752671-52-6	752671-54-8	752671-56-0	752671-58-2
752671-60-6	752671-62-8	752671-64-0	752671-66-2	752671-68-4
752671-70-8	752671-72-0	752671-74-2	752671-77-5	752671-78-6
752671-80-0	752671-82-2	752671-85-5	752671-87-7	752671-89-9
752671-91-3	752671-93-5	752671-95-7	752671-97-9	752671-99-1
752672-01-8	752672-03-0	752672-05-2	752672-07-4	752672-09-6
752672-11-0	752672-13-2	752672-15-4	752672-17-6	752672-19-8
752672-22-3	752672-24-5	752672-26-7	752672-28-9	752672-30-3
752672-32-5	752672-34-7	752672-36-9	752672-38-1	752672-40-5
752672-42-7	752672-44-9	752672-46-1	752672-48-3	752672-50-7
752672-52-9	752672-54-1	752672-56-3	752672-58-5	752672-60-9
752672-62-1	752672-64-3	752672-66-5	752672-69-8	752672-71-2
752672-73-4	752672-74-5	752672-76-7	752672-78-9	752672-80-3
752672-82-5	752672-84-7	752672-86-9	752672-88-1	752672-89-2
752672-91-6	752672-93-8	752672-95-0	752672-97-2	752672-99-4
752673-01-1	752673-03-3	752673-05-5	752673-07-7	752673-09-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752673-11-3	752673-13-5	752673-15-7	752673-17-9	752673-19-1
752673-21-5	752673-23-7	752673-25-9	752673-27-1	752673-29-3
752673-31-7	752673-33-9	752673-35-1	752673-37-3	752673-39-5
752673-41-9	752673-43-1	752673-45-3	752673-47-5	752673-50-0
752673-52-2	752673-54-4	752673-56-6	752673-58-8	752673-60-2
752673-62-4	752673-64-6	752673-66-8	752673-68-0	752673-70-4
752673-72-6	752673-74-8	752673-76-0	752673-78-2	752673-80-6
752673-82-8	752673-84-0	752673-86-2	752673-88-4	752673-90-8
752673-92-0	752673-94-2	752673-96-4	752673-98-6	752674-00-3
752674-02-5	752674-04-7	752674-07-0	752674-08-1	752674-11-6
752674-13-8	752674-15-0	752674-17-2	752674-19-4	752674-21-8
752674-23-0	752674-25-2	752674-27-4	752674-29-6	752674-31-0
752674-33-2	752674-35-4	752674-37-6	752674-39-8	752674-40-1
752674-42-3	752674-44-5	752674-46-7	752674-48-9	752674-50-3
752674-52-5	752674-55-8	752674-57-0	752674-59-2	752674-61-6
752674-63-8	752674-65-0	752674-67-2	752674-69-4	752674-71-8
752674-73-0	752674-76-3	752674-78-5	752674-80-9	752674-82-1
752674-84-3	752674-86-5	752674-88-7	752674-90-1	752674-92-3
752674-94-5	752674-97-8	752674-99-0	752675-00-6	752675-02-8
752675-04-0	752675-06-2	752675-08-4	752675-10-8	752675-12-0
752675-15-3	752675-17-5	752675-19-7	752675-21-1	752675-23-3
752675-25-5	752675-27-7	752675-29-9	752675-31-3	752675-33-5
752675-35-7	752675-37-9	752675-39-1	752675-41-5	752675-43-7
752675-45-9	752675-47-1	752675-49-3	752675-51-7	752675-53-9
752675-55-1	752675-57-3	752675-59-5	752675-61-9	752675-63-1
752675-65-3	752675-67-5	752675-69-7	752675-71-1	752675-73-3
752675-75-5	752675-77-7	752675-79-9	752675-81-3	752675-83-5
752675-85-7	752675-87-9	752675-89-1	752675-91-5	752675-93-7
752675-95-9	752675-97-1	752675-99-3	752676-01-0	752676-03-2
752676-05-4	752676-08-7	752676-10-1	752676-12-3	752676-14-5
752676-16-7	752676-18-9	752676-20-3	752676-22-5	752676-23-6
752676-25-8	752676-27-0	752676-30-5	752676-32-7	752676-35-0
752676-37-2	752676-39-4	752676-41-8	752676-43-0	752676-45-2
752676-47-4	752676-49-6	752676-51-0	752676-53-2	752676-55-4
752676-57-6	752676-59-8	752676-61-2	752676-63-4	752676-65-6
752676-67-8	752676-69-0	752676-71-4	752676-73-6	752676-75-8
752676-77-0	752676-79-2	752676-81-6	752676-83-8	752676-85-0
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752676-97-4	752677-00-6	752677-01-3	752677-03-5	752677-06-8
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752677-88-6 752677-90-0 752677-92-2 752677-94-4 752677-96-6  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752682-52-3 752682-54-5 752682-56-7 752682-58-9 752682-59-0  
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752683-12-8	752683-13-9	752683-15-1	752683-17-3	752683-19-5
752683-22-0	752683-24-2	752683-26-4	752683-28-6	752683-30-0
752683-32-2	752683-34-4	752683-36-6	752683-37-7	752683-39-9
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752683-51-5	752683-54-8	752683-56-0	752683-58-2	752683-60-6
752683-62-8	752683-64-0	752683-66-2	752683-68-4	752683-70-8
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752684-02-9	752684-04-1	752684-06-3	752684-08-5	752684-10-9
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752685-12-4	752685-14-6	752685-16-8	752685-18-0	752685-20-4
752685-22-6	752685-24-8	752685-26-0	752685-28-2	752685-30-6
752685-32-8	752685-34-0	752685-38-4	752685-40-8	752685-42-0
752685-44-2	752685-46-4	752685-48-6	752685-50-0	752685-52-2
752685-54-4	752685-56-6	752685-58-8	752685-60-2	752685-62-4
752685-64-6	752685-66-8	752685-68-0	752685-70-4	752685-72-6
752685-74-8	752685-76-0	752685-78-2	752685-80-6	752685-82-8
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752685-94-2	752685-96-4	752685-98-6	752686-00-3	752686-02-5
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752686-82-1	752686-84-3	752686-86-5	752686-88-7	752686-89-8
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752687-02-8	752687-04-0	752687-06-2	752687-08-4	752687-10-8
752687-12-0	752687-14-2	752687-16-4	752687-18-6	752687-20-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752687-22-2	752687-24-4	752687-26-6	752687-28-8	752687-30-2
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	752687-42-6	752687-43-7	752687-45-9	752687-47-1	752687-49-3
	752687-52-8	752687-54-0	752687-56-2	752687-58-4	752687-59-5
	752687-61-9	752687-63-1	752687-65-3	752687-67-5	752687-69-7
	752687-71-1	752687-73-3	752687-75-5	752687-77-7	752687-79-9
	752687-81-3	752687-83-5	752687-85-7	752687-87-9	752687-89-1
	752687-91-5	752687-93-7	752687-95-9	752687-97-1	752687-99-3
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	752688-11-2	752688-13-4	752688-16-7	752688-18-9	752688-20-3
	752688-22-5	752688-23-6	752688-25-8	752688-27-0	752688-29-2
	752688-31-6	752688-33-8	752688-35-0	752688-37-2	752688-40-7
	752688-42-9	752688-44-1	752688-46-3	752688-48-5	752688-49-6
	752688-51-0	752688-53-2	752688-56-5	752688-58-7	752688-60-1
	752688-62-3	752688-64-5	752688-66-7	752688-68-9	752688-70-3
	752688-72-5	752688-74-7	752688-76-9	752688-78-1	752688-80-5
	752688-82-7	752688-84-9	752688-86-1	752688-88-3	752688-90-7
	752688-92-9	752688-94-1	752688-96-3	752688-98-5	752689-00-2
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	752689-12-6	752689-14-8	752689-16-0	752689-18-2	752689-20-6
	752689-22-8	752689-24-0	752689-26-2	752689-28-4	752689-30-8

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752689-42-2	752689-44-4	752689-46-6	752689-48-8	752689-50-2
752689-52-4	752689-54-6	752689-55-7	752689-57-9	752689-59-1
752689-62-6	752689-64-8	752689-66-0	752689-68-2	752689-70-6
752689-72-8	752689-74-0	752689-76-2	752689-78-4	752689-80-8
752689-82-0	752689-84-2	752689-86-4	752689-87-5	752689-89-7
752689-91-1	752689-93-3	752689-95-5	752689-97-7	752689-99-9
752690-00-9	752690-01-0	752690-03-2	752690-05-4	752690-07-6
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752690-29-2	752690-31-6	752690-33-8	752690-35-0	
752690-37-2	752690-39-4	752690-41-8	752690-43-0	752690-45-2
752690-47-4	752690-49-6	752690-51-0	752690-53-2	752690-55-4
752690-57-6	752690-59-8	752690-61-2	752690-63-4	752690-65-6
752690-67-8	752690-69-0	752690-71-4	752690-74-7	752690-76-9
752690-78-1	752690-80-5	752690-81-6	752690-83-8	752690-85-0
752690-87-2	752690-89-4	752690-91-8	752690-93-0	752690-95-2
752690-97-4	752690-99-6	752691-01-3	752691-03-5	752691-05-7
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752691-17-1	752691-18-2	752691-20-6	752691-22-8	752691-24-0
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752691-36-4	752691-38-6	752691-40-0	752691-42-2	752691-44-4
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752691-56-8	752691-58-0	752691-60-4	752691-62-6	752691-63-7
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752691-86-4				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752691-88-6	752691-90-0	752691-92-2	752691-94-4	752691-96-6
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	752692-07-2	752692-09-4	752692-11-8	752692-13-0	752692-15-2
	752692-17-4	752692-19-6	752692-21-0	752692-23-2	752692-25-4
	752692-27-6	752692-29-8	752692-31-2	752692-33-4	752692-35-6
	752692-37-8	752692-39-0	752692-41-4	752692-43-6	752692-45-8
	752692-47-0	752692-49-2	752692-51-6	752692-53-8	752692-55-0
	752692-57-2	752692-59-4	752692-61-8	752692-63-0	752692-65-2
	752692-67-4	752692-69-6	752692-71-0	752692-73-2	752692-75-4
	752692-77-6	752692-79-8	752692-81-2	752692-83-4	752692-85-6
	752692-87-8	752692-89-0	752692-91-4	752692-93-6	752692-94-7
	752692-96-9	752692-98-1	752693-00-8	752693-02-0	752693-04-2
	752693-06-4	752693-08-6	752693-10-0	752693-12-2	752693-14-4
	752693-16-6	752693-18-8	752693-20-2	752693-22-4	752693-24-6
	752693-26-8	752693-28-0	752693-30-4	752693-32-6	752693-34-8
	752693-36-0	752693-38-2	752693-40-6	752693-42-8	752693-44-0
	752693-46-2	752693-48-4	752693-50-8	752693-52-0	752693-54-2
	752693-56-4	752693-58-6	752693-60-0	752693-62-2	752693-64-4
	752693-65-5	752693-67-7	752693-70-2	752693-72-4	752693-74-6
	752693-76-8	752693-77-9	752693-79-1	752693-81-5	752693-83-7
	752693-85-9	752693-87-1	752693-89-3	752693-91-7	752693-93-9
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	752694-05-6	752694-07-8	752694-09-0	752694-11-4	752694-13-6
	752694-15-8	752694-17-0	752694-19-2	752694-21-6	752694-23-8
	752694-25-0	752694-27-2	752694-29-4	752694-31-8	752694-33-0
	752694-35-2	752694-37-4	752694-39-6	752694-41-0	752694-43-2
	752694-45-4	752694-47-6	752694-49-8	752694-51-2	752694-53-4
	752694-55-6	752694-57-8	752694-59-0	752694-61-4	752694-63-6
	752694-65-8	752694-67-0	752694-69-2	752694-71-6	752694-73-8
	752694-75-0	752694-77-2	752694-79-4	752694-81-8	752694-83-0
	752694-85-2	752694-87-4	752694-89-6	752694-91-0	752694-93-2
	752694-95-4	752694-97-6	752694-99-8	752695-01-5	752695-03-7
	752695-05-9	752695-07-1	752695-09-3	752695-11-7	752695-13-9
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	752695-25-3	752695-27-5	752695-28-6	752695-30-0	752695-32-2

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752695-54-8	752695-56-0	752695-58-2	752695-60-6	752695-62-8
752695-64-0	752695-66-2	752695-68-4	752695-70-8	752695-72-0
752695-74-2	752695-76-4	752695-78-6	752695-80-0	752695-81-1
752695-82-2	752695-83-3	752695-84-4	752695-85-5	752695-86-6
752695-88-8	752695-90-2	752695-92-4	752695-94-6	752695-96-8
752695-98-0	752696-00-7	752696-02-9	752696-04-1	752696-06-3
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752696-48-3	752696-50-7	752696-52-9	752696-54-1	752696-56-3
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and

their uses improvement of transgenic plants)

IT 752701-12-5 752701-14-7 752701-16-9 752701-18-1 752701-20-5  
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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation) (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752625-29-9 752679-71-3 752690-35-0  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

RN 752625-29-9 HCAPLUS  
 CN Protein (sorghum clone SORBI-28MAY03-C1356\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MGQKHLLELLA CFVWLSCSLL LHASSDGLLR INLNKKKLDK EALTAAKLAK  
 51 ESRLRRSVGA GQYLGASTDD IVPLDNYLDT QYFGEIGIGT PSQNFTVIFD  
 101 TGSSNLWVPS SKCYFSIACY LHHRYKSTKS KTYKKNDESC TITYGSGQIA  
 151 GFFSEDNVLV GNLVVQNNQF IETRETSPT FIIGKFDGIL GLGFPEISVG  
 201 GAPPIWQSMK EQKLVAEDVF SFWLNRPDA SAGGELVFGG VDPKHYKGNH  
 251 TYVPVTRKGY WQFDMGDLII GGHSTGYCAG GCAAIVDSGT SLLAGPTTIV  
 301 AQVNHAIGAE GIISTECKEV VREYGEMXPE LLIAQTSPQK VCT

RN 752679-71-3 HCAPLUS  
 CN Protein (sorghum clone LIB3476-019-P1-K1-A8.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 ISMILRTIHS LDSILHLLQL CYCFSILCCI CLEIAIYCIA ASLCYILEAS  
 51 YLCPGLDT

RN 752690-35-0 HCAPLUS  
 CN Protein (sorghum clone LIB3476-051-P1-K1-H4.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 RDHFTLPASD FVLCPVLDIL VKIDTCASDC GHRAFGHVDS QTSGVSKSFH  
 51 DLPLGAWLLA VACLPAACV LASCKLQYTS APCLLGCSPP VQSLLAWASA  
 101 VRPVAAYR RRAGLPAAAS PVRCPAAAR CRWDPVRRVA GIPSAVLLAA  
 151 QLSPPPPAAA TPRRAPACRK T

L12 ANSWER 10 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:770716 HCAPLUS

DN 141:237806  
 ED Entered STN: 22 Sep 2004  
 TI Sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants  
 IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147, abandoned.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24  
 INCL 800284000; 435200000; 536023200; 435468000  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11

## FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24
	INCL	800284000; 435200000; 536023200; 435468000
US 2004172684	NCL	800/284.000 <--
US 2004172684	NCL	800/284.000
	ECLA	C07K014/415; C12N015/82 <--

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST sorghum cDNA protein sequence plant transformation

IT Stress, plant

(cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Cell cycle

(growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant

(heat, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Recombination, genetic

(homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Growth regulators, plant

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)

(improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Pathogen

(improved tolerance to; sorghum nucleic acids and encoded proteins and

their uses improvement of transgenic plants)

IT Carbohydrates, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Disease resistance, plant  
 Growth and development, plant  
 Herbicide resistance  
 (improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Fats and Glyceridic oils, preparation  
 Proteins  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Transcription factors  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Embryophyta  
 Protein sequences  
 Sorghum bicolor  
 Transformation, genetic  
 cDNA sequences  
 (sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (water deficiency, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Photosynthesis, biological  
 (yield improvement by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (yield improvement in; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752633-71-9 752633-72-0 752633-74-2 752633-76-4 752633-78-6  
 752633-80-0 752633-81-1 752633-83-3 752633-85-5 752633-87-7  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752639-85-3	752639-87-5	752639-89-7	752639-91-1	752639-92-2
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	752643-15-5	752643-17-7	752643-18-8	752643-20-2	752643-22-4
	752643-24-6	752643-26-8	752643-27-9	752643-29-1	752643-31-5
	752643-33-7	752643-35-9	752643-37-1	752643-39-3	752643-41-7

752643-42-8	752643-44-0	752643-46-2	752643-48-4	752643-50-8
752643-51-9	752643-53-1	752643-55-3	752643-57-5	752643-59-7
752643-60-0	752643-62-2	752643-63-3	752643-65-5	752643-67-7
752643-69-9	752643-71-3	752643-72-4	752643-74-6	752643-76-8
752643-78-0	752643-79-1	752643-80-4	752643-82-6	752643-84-8
752643-86-0	752643-87-1	752643-89-3	752643-91-7	752643-93-9
752643-95-1	752643-97-3			

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752643-98-4	752644-00-1	752644-02-3	752644-04-5	752644-06-7
	752644-07-8	752644-09-0	752644-11-4	752644-13-6	752644-15-8
	752644-17-0	752644-18-1	752644-20-5	752644-22-7	752644-24-9
	752644-25-0	752644-27-2	752644-29-4	752644-31-8	752644-33-0
	752644-35-2	752644-37-4	752644-38-5	<b>752644-40-9</b>	
	752644-42-1	752644-44-3	752644-46-5	752644-47-6	752644-49-8
	752644-51-2	752644-53-4	752644-55-6	752644-56-7	752644-58-9
	752644-59-0	752644-61-4	752644-63-6	752644-65-8	752644-67-0
	752644-68-1	752644-70-5	752644-72-7	752644-74-9	752644-76-1
	752644-77-2	752644-79-4	752644-81-8	752644-83-0	752644-85-2
	752644-87-4	752644-89-6	752644-90-9	752644-92-1	752644-94-3
	752644-96-5	752644-98-7	752644-99-8	752645-01-5	752645-03-7
	752645-05-9	752645-07-1	752645-09-3	752645-10-6	752645-12-8
	752645-14-0	752645-15-1	752645-16-2	752645-18-4	752645-20-8
	752645-21-9	752645-24-2	752645-26-4	752645-28-6	752645-30-0
	752645-31-1	752645-33-3	752645-35-5	752645-37-7	752645-40-2
	752645-42-4	752645-44-6	752645-45-7	752645-47-9	752645-48-0
	752645-50-4	752645-52-6	752645-54-8	752645-56-0	752645-57-1
	752645-59-3	752645-61-7	752645-63-9	752645-65-1	752645-66-2
	752645-68-4	752645-70-8	752645-72-0	752645-74-2	752645-75-3
	752645-77-5	752645-79-7	752645-81-1	752645-83-3	752645-85-5
	752645-86-6	752645-88-8	752645-90-2	752645-92-4	752645-94-6
	752645-95-7	752645-97-9	752645-99-1	752646-01-8	752646-03-0
	752646-05-2	752646-06-3	752646-08-5	752646-10-9	752646-12-1
	752646-14-3	752646-16-5	752646-18-7	752646-19-8	752646-21-2
	752646-23-4	752646-25-6	752646-27-8	752646-28-9	752646-30-3
	752646-32-5	752646-34-7	752646-36-9	752646-37-0	752646-39-2
	752646-40-5	752646-42-7	752646-44-9	752646-46-1	752646-48-3
	752646-50-7	752646-51-8	752646-53-0	752646-55-2	752646-57-4
	752646-59-6	752646-61-0	752646-62-1	752646-64-3	752646-66-5
	752646-68-7	752646-70-1	752646-71-2	752646-73-4	752646-75-6
	752646-77-8	752646-79-0	752646-81-4	752646-83-6	752646-84-7
	752646-86-9	752646-88-1	752646-90-5	752646-92-7	752646-93-8
	752646-95-0	752646-97-2	752646-99-4	752647-01-1	752647-03-3
	752647-05-5	752647-07-7	752647-09-9	752647-10-2	752647-12-4
	752647-14-6	752647-16-8	752647-18-0	752647-19-1	752647-21-5
	752647-23-7	752647-25-9	752647-26-0	752647-28-2	752647-30-6
	752647-32-8	752647-34-0	752647-35-1	752647-37-3	752647-39-5
	752647-41-9	752647-43-1	752647-44-2	752647-46-4	752647-48-6
	752647-50-0	752647-51-1	752647-53-3	752647-55-5	752647-57-7
	752647-59-9	752647-60-2	752647-62-4	752647-64-6	752647-66-8
	752647-68-0	752647-70-4	752647-72-6	752647-73-7	752647-75-9
	752647-77-1	752647-79-3	752647-81-7	752647-83-9	752647-84-0
	752647-86-2	752647-88-4	752647-90-8	752647-92-0	752647-94-2
	752647-96-4	752647-97-5	752647-98-6	752648-00-3	752648-02-5
	752648-04-7	752648-06-9	752648-07-0	752648-09-2	752648-11-6
	752648-13-8	752648-14-9	752648-16-1	752648-18-3	752648-20-7
	752648-22-9				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752648-23-0	752648-25-2	752648-27-4	752648-29-6	752648-31-0
	752648-32-1	752648-34-3	752648-36-5	752648-38-7	752648-40-1
	752648-42-3	752648-43-4	752648-45-6	752648-47-8	752648-49-0

752648-51-4	752648-53-6	752648-54-7	752648-56-9	752648-58-1
752648-60-5	752648-62-7	752648-64-9	752648-66-1	752648-67-2
752648-69-4	752648-71-8	752648-73-0	752648-75-2	752648-77-4
752648-79-6	752648-81-0	752648-83-2	752648-85-4	752648-86-5
752648-88-7	752648-90-1	752648-92-3	752648-94-5	752648-96-7
752648-97-8	752648-99-0	752649-01-7	752649-02-8	752649-04-0
752649-06-2	752649-08-4	752649-10-8	752649-11-9	752649-13-1
752649-15-3	752649-17-5	752649-19-7	752649-21-1	752649-22-2
752649-23-3	752649-25-5	752649-27-7	752649-29-9	752649-31-3
752649-33-5	752649-35-7	752649-36-8	752649-38-0	752649-40-4
752649-42-6	752649-44-8	752649-46-0	752649-47-1	752649-49-3
752649-51-7	752649-53-9	752649-54-0	752649-56-2	752649-58-4
752649-60-8	752649-62-0	752649-64-2	752649-66-4	752649-68-6
752649-70-0	752649-72-2	752649-74-4	752649-75-5	752649-77-7
752649-79-9	752649-81-3	752649-83-5	752649-85-7	752649-86-8
752649-88-0	752649-90-4	752649-92-6	752649-94-8	752649-95-9
752649-97-1	752649-99-3	752650-01-4	752650-03-6	752650-05-8
<b>752650-07-0</b>	752650-08-1	752650-10-5	752650-12-7	
752650-14-9	752650-16-1	752650-18-3	752650-20-7	752650-21-8
752650-23-0	752650-25-2	752650-27-4	752650-29-6	752650-31-0
752650-33-2	752650-35-4	752650-37-6	752650-38-7	752650-40-1
752650-42-3	752650-44-5	752650-46-7	752650-48-9	752650-50-3
752650-52-5	752650-54-7	752650-56-9	752650-58-1	752650-59-2
752650-61-6	752650-63-8	752650-65-0	752650-67-2	752650-69-4
752650-70-7	752650-72-9	752650-73-0	752650-75-2	752650-77-4
752650-79-6	752650-81-0	752650-86-5	752650-91-2	752650-97-8
752650-98-9	752651-00-6	752651-02-8	752651-04-0	752651-06-2
752651-08-4	752651-10-8	752651-12-0	752651-13-1	752651-16-4
752651-18-6	752651-20-0	752651-22-2	752651-24-4	752651-26-6
752651-28-8	752651-29-9	752651-31-3	752651-33-5	752651-37-9
752651-39-1	752651-41-5	752651-42-6	752651-44-8	752651-46-0
752651-48-2	752651-50-6	752651-52-8	752651-54-0	752651-55-1
752651-57-3	752651-59-5	752651-61-9	752651-63-1	752651-65-3
752651-67-5	752651-69-7	752651-70-0	752651-72-2	752651-74-4
752651-76-6	752651-78-8	752651-80-2	752651-82-4	752651-84-6
752651-86-8	752651-87-9	752651-89-1	752651-91-5	752651-93-7
752651-95-9	752651-97-1	752651-99-3	752652-01-0	752652-03-2
752652-05-4	752652-06-5	752652-08-7	752652-10-1	752652-12-3
752652-14-5	752652-16-7	752652-18-9	752652-20-3	752652-21-4
752652-23-6	752652-25-8	752652-27-0	752652-28-1	752652-30-5
752652-32-7	752652-34-9	752652-36-1	752652-38-3	752652-39-4
752652-41-8	752652-43-0	752652-45-2	752652-47-4	752652-49-6
752652-51-0	752652-53-2	752652-55-4	752652-57-6	752652-58-7
752652-60-1	752652-62-3	752652-64-5	752652-66-7	752652-68-9
752652-70-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752652-72-5	752652-73-6	752652-75-8	752652-77-0	752652-79-2
	752652-81-6	752652-83-8	752652-85-0	752652-87-2	752652-89-4
	752652-91-8	752652-92-9	752652-94-1	752652-96-3	752652-98-5
	752653-00-2	752653-02-4	752653-04-6	752653-05-7	752653-07-9
	752653-09-1	752653-11-5	752653-13-7	752653-14-8	752653-16-0
	752653-18-2	752653-20-6	752653-22-8	752653-24-0	752653-26-2
	752653-27-3	752653-29-5	752653-31-9	752653-33-1	752653-35-3
	752653-37-5	752653-39-7	752653-40-0	752653-42-2	752653-44-4
	752653-46-6	752653-48-8	752653-50-2	752653-52-4	752653-53-5
	752653-55-7	752653-57-9	752653-59-1	752653-61-5	752653-62-6
	752653-66-0	752653-67-1	752653-69-3	752653-71-7	752653-73-9
	752653-75-1	752653-77-3	752653-79-5	752653-81-9	752653-83-1
	752653-84-2	752653-86-4	752653-88-6	752653-90-0	752653-92-2
	752653-93-3	752653-95-5	752653-97-7	752653-99-9	752654-01-6
	752654-03-8	752654-05-0	752654-07-2	752654-09-4	752654-11-8
	752654-12-9	752654-14-1	752654-16-3	752654-18-5	752654-20-9
	752654-22-1	752654-24-3	752654-26-5	752654-28-7	752654-29-8

752654-31-2	752654-33-4	752654-35-6	752654-37-8	752654-39-0
752654-41-4	752654-43-6	752654-45-8	752654-47-0	752654-49-2
752654-50-5	752654-52-7	752654-54-9	752654-56-1	752654-58-3
752654-60-7	752654-62-9	752654-64-1	752654-65-2	752654-67-4
752654-69-6	752654-70-9	752654-72-1	752654-74-3	752654-76-5
752654-78-7	752654-80-1	752654-82-3	752654-84-5	752654-86-7
752654-87-8	752654-89-0	752654-91-4	752654-93-6	752654-95-8
752654-97-0	752654-99-2	752655-01-9	752655-03-1	752655-04-2
752655-06-4	752655-08-6	752655-10-0	752655-12-2	752655-14-4
752655-16-6	752655-18-8	752655-19-9	752655-22-4	752655-24-6
752655-26-8	752655-28-0	752655-30-4	752655-32-6	752655-34-8
752655-36-0	752655-38-2	752655-40-6	752655-42-8	752655-43-9
752655-45-1	752655-47-3	752655-49-5	752655-50-8	752655-52-0
752655-54-2	752655-56-4	752655-57-5	752655-59-7	752655-61-1
752655-63-3	752655-65-5	752655-67-7	752655-69-9	752655-70-2
752655-72-4	752655-74-6	752655-76-8	752655-78-0	752655-80-4
752655-82-6	752655-84-8	752655-85-9	752655-87-1	752655-89-3
752655-91-7	752655-93-9	752655-95-1	752655-97-3	752655-99-5
752656-01-2	752656-03-4	752656-05-6	752656-07-8	752656-08-9
752656-10-3	752656-12-5	752656-14-7	752656-16-9	752656-18-1
752656-20-5	752656-21-6	752656-23-8	752656-25-0	752656-27-2
752656-29-4	752656-31-8	752656-33-0	752656-35-2	752656-37-4
752656-39-6	752656-40-9	752656-42-1	752656-44-3	752656-46-5
752656-48-7	752656-50-1	752656-52-3	752656-54-5	752656-56-7
752656-58-9	752656-60-3	752656-61-4	752656-63-6	752656-65-8
752656-67-0	752656-69-2	752656-71-6	752656-73-8	752656-75-0
752656-77-2	752656-79-4	752656-81-8	752656-83-0	752656-85-2
752656-86-3	752656-88-5	752656-90-9	752656-92-1	752656-94-3
752656-96-5	752656-98-7	752656-99-8	752657-01-5	752657-03-7
752657-05-9	752657-07-1	752657-08-2	752657-10-6	752657-12-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752657-13-9	752657-15-1	752657-17-3	752657-19-5	752657-21-9
752657-23-1	752657-25-3	752657-27-5	752657-29-7	752657-31-1
752657-33-3	752657-35-5	752657-36-6	752657-38-8	752657-40-2
752657-42-4	752657-44-6	752657-46-8	752657-48-0	752657-51-5
752657-53-7	752657-54-8	752657-56-0	752657-58-2	752657-60-6
752657-62-8	752657-64-0	752657-66-2	752657-68-4	752657-70-8
752657-71-9	752657-73-1	752657-75-3	752657-77-5	752657-79-7
752657-81-1	752657-82-2	752657-84-4	752657-86-6	752657-88-8
752657-90-2	752657-92-4	752657-94-6	752657-96-8	752657-98-0
752658-00-7	752658-02-9	752658-04-1	752658-05-2	752658-07-4
752658-09-6	752658-11-0	752658-13-2	752658-15-4	752658-17-6
752658-19-8	752658-21-2	752658-23-4	752658-25-6	752658-27-8
752658-29-0	752658-31-4	752658-33-6	752658-35-8	752658-37-0
752658-39-2	752658-40-5	752658-42-7	752658-44-9	752658-46-1
752658-48-3	752658-50-7	752658-52-9	752658-53-0	752658-54-1
752658-56-3	752658-58-5	752658-60-9	752658-62-1	752658-64-3
752658-66-5	752658-68-7	752658-69-8	752658-71-2	752658-73-4
752658-75-6	752658-77-8	752658-79-0	752658-81-4	752658-83-6
752658-85-8	752658-86-9	752658-88-1	752658-90-5	752658-92-7
752658-94-9	752658-96-1	752658-98-3	752659-00-0	752659-02-2
752659-04-4	752659-06-6	752659-08-8	752659-10-2	752659-12-4
752659-14-6	752659-16-8	752659-18-0	752659-19-1	752659-21-5
752659-23-7	752659-25-9	752659-27-1	752659-28-2	752659-30-6
752659-32-8	752659-34-0	752659-36-2	752659-38-4	752659-40-8
752659-42-0	752659-44-2	752659-46-4	752659-48-6	752659-50-0
752659-52-2	752659-54-4	752659-55-5	752659-57-7	752659-59-9
752659-61-3	752659-63-5	752659-65-7	752659-67-9	752659-69-1
752659-71-5	752659-73-7	752659-75-9	752659-77-1	752659-79-3
752659-81-7	752659-83-9	752659-85-1	752659-87-3	752659-89-5
752659-91-9	752659-92-0	752659-94-2	752659-96-4	752659-98-6
752659-99-7	752660-01-8	752660-03-0	752660-05-2	752660-07-4
752660-09-6	752660-11-0	752660-13-2	752660-15-4	752660-17-6

752660-18-7	752660-20-1	752660-22-3	752660-24-5	752660-26-7
752660-28-9	752660-30-3	752660-32-5	752660-34-7	752660-36-9
752660-38-1	752660-39-2	752660-41-6	752660-43-8	752660-45-0
752660-47-2	752660-49-4	752660-52-9	752660-54-1	752660-55-2
752660-57-4	752660-59-6	752660-61-0	752660-63-2	752660-65-4
752660-67-6	752660-69-8	752660-71-2	752660-72-3	752660-74-5
752660-76-7	752660-78-9	752660-80-3	752660-82-5	752660-84-7
752660-86-9	752660-87-0	752660-89-2	752660-91-6	752660-93-8
752660-95-0	752660-97-2	752660-99-4	752661-01-1	752661-03-3
752661-05-5	752661-07-7	752661-08-8	752661-10-2	752661-12-4
752661-14-6	752661-16-8	752661-18-0	752661-29-3	752661-30-6
752661-32-8	752661-34-0	752661-36-2	752661-38-4	752661-40-8
752661-42-0	752661-43-1	752661-45-3	752661-47-5	752661-49-7
752661-51-1	752661-53-3	752661-55-5	752661-57-7	752661-59-9
752661-61-3	752661-63-5	752661-65-7	752661-67-9	752661-69-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752661-71-5	752661-73-7	752661-74-8	752661-75-9	752661-77-1
	752661-79-3	752661-81-7	752661-83-9	752661-85-1	752661-87-3
	752661-89-5	752661-91-9	752661-93-1	752661-95-3	752661-97-5
	752661-99-7	752662-01-4	752662-03-6	752662-05-8	752662-07-0
	752662-08-1	752662-10-5	752662-12-7	752662-14-9	752662-16-1
	752662-18-3	752662-19-4	752662-21-8	752662-23-0	752662-25-2
	752662-27-4	752662-29-6	752662-31-0	752662-32-1	752662-34-3
	752662-36-5	752662-38-7	752662-40-1	752662-42-3	752662-44-5
	752662-46-7	752662-48-9	752662-50-3	752662-52-5	752662-54-7
	752662-56-9	752662-58-1	752662-60-5	752662-62-7	752662-64-9
	752662-66-1	752662-67-2	752662-70-7	752662-71-8	752662-73-0
	752662-75-2	752662-77-4	752662-79-6	752662-81-0	752662-83-2
	752662-87-6	752662-88-7	752662-90-1	752662-92-3	752662-94-5
	752662-96-7	752662-98-9	752663-00-6	752663-01-7	752663-03-9
	752663-05-1	752663-07-3	752663-09-5	752663-11-9	752663-13-1
	752663-15-3	752663-16-4	752663-18-6	752663-20-0	752663-22-2
	752663-24-4	752663-26-6	752663-28-8	752663-30-2	752663-32-4
	752663-34-6	752663-36-8	752663-38-0	752663-40-4	752663-42-6
	752663-44-8	752663-45-9	752663-47-1	752663-49-3	752663-51-7
	752663-53-9	752663-54-0	752663-57-3	752663-58-4	752663-60-8
	752663-62-0	752663-63-1	752663-65-3	752663-67-5	752663-69-7
	752663-71-1	752663-73-3	752663-75-5	752663-77-7	752663-79-9
	752663-81-3	752663-83-5	752663-85-7	752663-87-9	752663-88-0
	752663-90-4	752663-92-6	752663-93-7	752663-95-9	752663-97-1
	752663-99-3	752664-01-0	752664-03-2	752664-05-4	752664-07-6
	752664-09-8	752664-11-2	752664-12-3	752664-14-5	752664-16-7
	752664-18-9	752664-20-3	752664-22-5	752664-23-6	752664-25-8
	752664-27-0	752664-29-2	752664-31-6	752664-33-8	752664-35-0
	752664-37-2	752664-39-4	752664-41-8	752664-43-0	752664-45-2
	752664-46-3	752664-47-4	752664-49-6	752664-51-0	752664-53-2
	752664-56-5	752664-58-7	752664-60-1	752664-62-3	752664-64-5
	752664-66-7	752664-68-9	752664-70-3	752664-72-5	752664-74-7
	752664-76-9	752664-78-1	752664-80-5	752664-81-6	752664-83-8
	752664-85-0	752664-87-2	752664-89-4	752664-91-8	752664-93-0
	752664-95-2	752664-97-4	752664-99-6	752665-01-3	752665-03-5
	752665-04-6	752665-06-8	752665-08-0	752665-11-5	752665-12-6
	752665-14-8	752665-16-0	752665-18-2	752665-20-6	752665-22-8
	752665-24-0	752665-26-2	752665-28-4	752665-30-8	752665-32-0
	752665-34-2	752665-36-4	752665-38-6	752665-40-0	752665-42-2
	752665-44-4	752665-46-6	752665-48-8	752665-49-9	752665-51-3
	752665-53-5	752665-55-7	752665-57-9	752665-59-1	752665-61-5
	752665-63-7	752665-65-9	752665-67-1	752665-69-3	752665-71-7
	752665-73-9	752665-75-1	752665-77-3	752665-78-4	752665-80-8
	752665-82-0	752665-84-2	752665-85-3	752665-87-5	752665-89-7
	752665-91-1	752665-93-3	752665-95-5	752665-97-7	752665-99-9
	752666-01-6	752666-03-8	752666-05-0	752666-07-2	752666-09-4
	752666-11-8	752666-13-0	752666-15-2	752666-17-4	752666-18-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752666-20-9	752666-22-1	752666-24-3	752666-26-5	752666-28-7
	752666-30-1	752666-32-3	752666-34-5	752666-36-7	752666-38-9
	752666-40-3	752666-41-4	752666-43-6	752666-45-8	752666-47-0
	752666-49-2	752666-51-6	752666-53-8	752666-55-0	752666-57-2
	752666-59-4	752666-61-8	752666-63-0	752666-65-2	752666-67-4
	752666-69-6	752666-71-0	752666-73-2	752666-75-4	752666-77-6
	752666-79-8	752666-81-2	752666-83-4	752666-85-6	752666-86-7
	752666-88-9	752666-90-3	752666-92-5	752666-94-7	752666-96-9
	752666-98-1	752667-00-8	752667-02-0	752667-04-2	752667-06-4
	752667-08-6	752667-10-0	752667-11-1	752667-13-3	752667-15-5
	752667-17-7	752667-18-8	752667-20-2	752667-22-4	752667-24-6
	752667-26-8	752667-28-0	752667-30-4	752667-32-6	752667-34-8
	752667-36-0	752667-38-2	752667-40-6	752667-42-8	752667-44-0
	752667-46-2	752667-48-4	752667-50-8	752667-51-9	752667-53-1
	752667-55-3	752667-57-5	752667-59-7	752667-61-1	752667-63-3
	752667-65-5	752667-67-7	752667-69-9	752667-71-3	752667-73-5
	752667-75-7	752667-77-9	752667-79-1	752667-81-5	752667-82-6
	752667-84-8	752667-86-0	752667-88-2	752667-90-6	752667-92-8
	752667-94-0	752667-96-2	752667-98-4	752668-00-1	752668-02-3
	752668-04-5	752668-06-7	752668-08-9	752668-10-3	752668-12-5
	752668-14-7	752668-16-9	752668-18-1	752668-19-2	752668-21-6
	752668-23-8	752668-25-0	752668-27-2	752668-29-4	752668-31-8
	752668-33-0	752668-35-2	752668-37-4	752668-39-6	752668-41-0
	752668-43-2	752668-45-4	752668-47-6	752668-49-8	752668-51-2
	752668-53-4	752668-55-6	752668-57-8	752668-59-0	752668-61-4
	752668-63-6	752668-65-8	752668-66-9	752668-69-2	752668-71-6
	752668-73-8	752668-75-0	752668-77-2	752668-79-4	752668-80-7
	752668-82-9	752668-84-1	752668-86-3	752668-88-5	752668-90-9
	752668-92-1	752668-94-3	752668-95-4	752668-97-6	752668-99-8
	752669-01-5	752669-03-7	752669-05-9	752669-07-1	752669-09-3
	752669-11-7	752669-13-9	752669-15-1	752669-17-3	752669-19-5
	752669-21-9	752669-23-1	752669-25-3	752669-27-5	752669-29-7
	752669-31-1	752669-32-2	752669-35-5	752669-37-7	752669-38-8
	752669-40-2	752669-42-4	752669-44-6	752669-46-8	752669-48-0
	752669-50-4	752669-52-6	752669-54-8	752669-56-0	752669-58-2
	752669-60-6	752669-62-8	752669-64-0	752669-65-1	752669-67-3
	752669-69-5	752669-71-9	752669-73-1	752669-75-3	752669-77-5
	752669-79-7	752669-81-1	752669-83-3	752669-85-5	752669-87-7
	752669-89-9	752669-90-2	752669-92-4	752669-94-6	752669-96-8
	752669-99-1	752670-01-2	752670-03-4	752670-04-5	752670-06-7
	752670-08-9	752670-10-3	752670-12-5	752670-14-7	752670-16-9
	752670-18-1	752670-20-5	752670-22-7	752670-24-9	752670-26-1
	752670-28-3	752670-30-7	752670-32-9	752670-34-1	752670-35-2
	752670-37-4	752670-39-6	752670-41-0	752670-43-2	752670-45-4
	752670-47-6	752670-49-8	752670-51-2	752670-53-4	752670-55-6
	752670-57-8	752670-59-0	752670-61-4	752670-63-6	752670-65-8
	752670-67-0	752670-69-2	752670-71-6	752670-73-8	752670-75-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752670-77-2	752670-79-4	752670-80-7	752670-82-9	752670-84-1
	752670-86-3	752670-88-5	752670-90-9	752670-92-1	752670-94-3
	752670-96-5	752670-98-7	752671-00-4	752671-02-6	752671-04-8
	752671-05-9	752671-07-1	752671-09-3	752671-11-7	752671-13-9
	752671-16-2	752671-18-4	752671-20-8	752671-22-0	752671-24-2
	752671-26-4	752671-28-6	752671-30-0	752671-32-2	752671-34-4
	752671-36-6	752671-38-8	752671-40-2	752671-42-4	752671-43-5
	752671-45-7	752671-47-9	752671-49-1	752671-51-5	752671-53-7
	752671-55-9	752671-57-1	752671-59-3	752671-61-7	752671-63-9
	752671-65-1	752671-67-3	752671-69-5	752671-71-9	752671-73-1
	752671-75-3	752671-76-4	752671-79-7	752671-81-1	752671-83-3

752671-84-4	752671-86-6	752671-88-8	752671-90-2	752671-92-4
752671-94-6	752671-96-8	752671-98-0	752672-00-7	752672-02-9
752672-04-1	752672-06-3	752672-08-5	752672-10-9	752672-12-1
752672-14-3	752672-16-5	752672-18-7	752672-20-1	752672-21-2
752672-23-4	752672-25-6	752672-27-8	752672-29-0	752672-31-4
752672-33-6	752672-35-8	752672-37-0	752672-39-2	752672-41-6
752672-43-8	752672-45-0	752672-47-2	752672-49-4	752672-51-8
752672-53-0	752672-55-2	752672-57-4	752672-59-6	752672-61-0
752672-63-2	752672-65-4	752672-67-6	752672-68-7	752672-70-1
752672-72-3	752672-75-6	752672-77-8	752672-79-0	752672-81-4
752672-83-6	752672-85-8	752672-87-0	752672-90-5	752672-92-7
752672-94-9	752672-96-1	752672-98-3	752673-00-0	752673-02-2
752673-04-4	752673-06-6	752673-08-8	752673-10-2	752673-12-4
752673-14-6	752673-16-8	752673-18-0	752673-20-4	752673-22-6
752673-24-8	752673-26-0	752673-28-2	752673-30-6	752673-32-8
752673-34-0	752673-36-2	752673-38-4	752673-40-8	752673-42-0
752673-44-2	752673-46-4	752673-48-6	752673-49-7	752673-51-1
752673-53-3	752673-55-5	752673-57-7	752673-59-9	752673-61-3
752673-63-5	752673-65-7	752673-67-9	752673-69-1	752673-71-5
752673-73-7	752673-75-9	752673-77-1	752673-79-3	752673-81-7
752673-83-9	752673-85-1	752673-87-3	752673-89-5	752673-91-9
752673-93-1	752673-95-3	752673-97-5	752673-99-7	752674-01-4
752674-03-6	752674-05-8	752674-06-9	752674-09-2	752674-10-5
752674-12-7	752674-14-9	752674-16-1	752674-18-3	752674-20-7
752674-22-9	752674-24-1	752674-26-3	752674-28-5	752674-30-9
752674-32-1	752674-34-3	752674-36-5	752674-38-7	752674-41-2
752674-43-4	752674-45-6	752674-47-8	752674-49-0	752674-51-4
752674-53-6	752674-54-7	752674-56-9	752674-58-1	752674-60-5
752674-62-7	752674-64-9	752674-66-1	752674-68-3	752674-70-7
752674-72-9	752674-74-1	752674-75-2	752674-77-4	752674-79-6
752674-81-0	752674-83-2	752674-85-4	752674-87-6	752674-89-8
752674-91-2	752674-93-4	752674-95-6	752674-96-7	752674-98-9
752675-01-7	752675-03-9	752675-05-1	752675-07-3	752675-09-5
752675-11-9	752675-13-1	752675-14-2	752675-16-4	752675-18-6
752675-20-0	752675-22-2	752675-24-4	752675-26-6	752675-28-8
752675-30-2	752675-32-4	752675-34-6	752675-36-8	752675-38-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752675-40-4	752675-42-6	752675-44-8	752675-46-0	752675-48-2
752675-50-6	752675-52-8	752675-54-0	752675-56-2	752675-58-4
752675-60-8	752675-62-0	752675-64-2	752675-66-4	752675-68-6
752675-70-0	752675-72-2	752675-74-4	752675-76-6	752675-78-8
752675-80-2	752675-82-4	752675-84-6	752675-86-8	752675-88-0
752675-90-4	752675-92-6	752675-94-8	752675-96-0	752675-98-2
752676-00-9	752676-02-1	752676-04-3	752676-06-5	752676-07-6
752676-09-8	752676-11-2	752676-13-4	752676-15-6	752676-17-8
752676-19-0	752676-21-4	752676-24-7	752676-26-9	752676-28-1
752676-29-2	752676-31-6	752676-33-8	752676-34-9	752676-36-1
752676-38-3	752676-40-7	752676-42-9	752676-44-1	752676-46-3
752676-48-5	752676-50-9	752676-52-1	752676-54-3	752676-56-5
752676-58-7	752676-60-1	752676-62-3	752676-64-5	752676-66-7
752676-68-9	752676-70-3	752676-72-5	752676-74-7	752676-76-9
752676-78-1	752676-80-5	752676-82-7	752676-84-9	752676-86-1
752676-88-3	752676-90-7	752676-92-9	752676-94-1	752676-96-3
752676-98-5	752677-00-2	752677-02-4	752677-04-6	752677-05-7
752677-07-9	752677-09-1	752677-11-5	752677-13-7	752677-15-9
752677-17-1	752677-19-3	752677-21-7	752677-23-9	752677-26-2
752677-28-4	752677-30-8	752677-32-0	752677-34-2	752677-35-3
752677-37-5	752677-39-7	752677-41-1	752677-44-4	752677-46-6
752677-48-8	752677-50-2	752677-52-4	752677-54-6	752677-55-7
752677-57-9	752677-59-1	752677-61-5	752677-63-7	752677-65-9
752677-67-1	752677-69-3	752677-71-7	752677-73-9	752677-75-1
752677-77-3	752677-79-5	752677-81-9	752677-83-1	752677-85-3
752677-87-5	752677-89-7	752677-91-1	752677-93-3	752677-95-5

752677-97-7	752677-99-9	752678-01-6	752678-03-8	752678-05-0
752678-07-2	752678-09-4	752678-11-8	752678-13-0	752678-15-2
752678-17-4	752678-19-6	752678-21-0	752678-23-2	752678-25-4
752678-27-6	752678-29-8	752678-31-2	752678-33-4	752678-35-6
752678-37-8	752678-39-0	752678-41-4	752678-43-6	752678-45-8
752678-47-0	752678-49-2	752678-51-6	752678-53-8	752678-55-0
752678-57-2	752678-59-4	752678-61-8	752678-63-0	752678-65-2
752678-67-4	752678-69-6	752678-71-0	752678-73-2	752678-75-4
752678-77-6	752678-79-8	752678-81-2	752678-83-4	752678-85-6
752678-87-8	752678-89-0	752678-91-4	752678-93-6	752678-95-8
752678-97-0	752678-99-2	752679-01-9	752679-03-1	752679-05-3
752679-07-5	752679-08-6	752679-10-0	752679-12-2	752679-14-4
752679-16-6	752679-18-8	752679-20-2	752679-23-5	752679-25-7
752679-27-9	752679-29-1	752679-31-5	752679-32-6	752679-34-8
752679-36-0	752679-38-2	752679-40-6	752679-42-8	752679-44-0
752679-46-2	752679-48-4	752679-50-8	752679-52-0	752679-54-2
752679-56-4	752679-58-6	752679-60-0	752679-62-2	752679-64-4
752679-66-6	752679-68-8	752679-70-2	752679-72-4	752679-74-6
752679-76-8	752679-78-0	752679-80-4	752679-83-7	752679-85-9
752679-87-1	752679-89-3	752679-91-7	752679-92-8	752679-94-0
752679-96-2	752679-98-4	752680-00-5	752680-02-7	752680-04-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752680-06-1	752680-08-3	752680-10-7	752680-12-9	752680-14-1
	752680-16-3	752680-18-5	752680-26-5	752680-28-7	752680-30-1
	752680-33-4	752680-35-6	752680-37-8	752680-39-0	752680-41-4
	752680-42-5	752680-44-7	752680-46-9	752680-48-1	752680-50-5
	752680-52-7	752680-54-9	752680-56-1	752680-58-3	752680-60-7
	752680-62-9	752680-64-1	752680-66-3	752680-68-5	752680-70-9
	752680-72-1	752680-74-3	752680-76-5	752680-78-7	752680-80-1
	752680-82-3	752680-84-5	752680-86-7	752680-88-9	752680-90-3
	752680-92-5	752680-95-8	752680-96-9	752680-99-2	752681-00-8
	752681-02-0	752681-04-2	752681-06-4	752681-08-6	752681-10-0
	752681-12-2	752681-14-4	752681-16-6	752681-18-8	752681-20-2
	752681-22-4	752681-24-6	752681-26-8	752681-28-0	752681-30-4
	752681-32-6	752681-34-8	752681-36-0	752681-38-2	752681-40-6
	752681-42-8	752681-44-0	752681-46-2	752681-48-4	752681-50-8
	752681-52-0	752681-54-2	752681-56-4	752681-58-6	752681-60-0
	752681-62-2	752681-64-4	752681-66-6	752681-68-8	752681-70-2
	752681-71-3	752681-73-5	752681-76-8	752681-78-0	752681-80-4
	752681-82-6	752681-84-8	752681-86-0	752681-90-6	752681-92-8
	752681-94-0	752681-96-2	752681-98-4	752682-00-1	752682-02-3
	752682-04-5	752682-06-7	752682-08-9	752682-10-3	752682-12-5
	752682-14-7	752682-16-9	752682-18-1	752682-20-5	752682-22-7
	752682-24-9	752682-26-1	752682-27-2	752682-29-4	752682-31-8
	752682-33-0	752682-35-2	752682-37-4	752682-39-6	752682-41-0
	752682-43-2	752682-45-4	752682-47-6	752682-49-8	752682-51-2
	752682-53-4	752682-55-6	752682-57-8	752682-60-3	752682-62-5
	752682-64-7	752682-66-9	752682-68-1	752682-69-2	752682-71-6
	752682-73-8	752682-76-1	752682-78-3	752682-80-7	752682-82-9
	752682-83-0	752682-85-2	752682-87-4	752682-89-6	752682-91-0
	752682-93-2	752682-95-4	752682-97-6	752682-99-8	752683-01-5
	752683-03-7	752683-05-9	752683-07-1	752683-09-3	752683-11-7
	752683-14-0	752683-16-2	752683-18-4	752683-20-8	752683-21-9
	752683-23-1	752683-25-3	752683-27-5	752683-29-7	752683-31-1
	752683-33-3	752683-35-5	752683-38-8	752683-40-2	752683-42-4
	752683-44-6	752683-46-8	752683-48-0	752683-50-4	752683-52-6
	752683-53-7	752683-55-9	752683-57-1	752683-59-3	752683-61-7
	752683-63-9	752683-65-1	752683-67-3	752683-69-5	752683-71-9
	752683-73-1	752683-75-3	752683-77-5	752683-78-6	752683-80-0
	752683-82-2	752683-84-4	752683-86-6	752683-89-9	752683-91-3
	752683-93-5	752683-95-7	752683-97-9	752683-99-1	752684-01-8
	752684-03-0	752684-05-2	752684-07-4	752684-09-6	752684-11-0
	752684-13-2	752684-15-4	752684-17-6	752684-19-8	752684-21-2

752684-23-4	752684-25-6	752684-27-8	752684-29-0	752684-31-4
752684-33-6	752684-35-8	752684-37-0	752684-39-2	752684-41-6
752684-43-8	752684-45-0	752684-46-1	752684-48-3	752684-50-7
752684-52-9	752684-54-1	752684-56-3	752684-58-5	752684-60-9
752684-62-1	752684-64-3	752684-66-5	752684-68-7	752684-70-1
752684-72-3	752684-74-5	752684-76-7	752684-78-9	752684-81-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752684-82-5	752684-84-7	752684-86-9	752684-88-1	752684-90-5
	752684-92-7	752684-94-9	752684-96-1	752684-98-3	752685-00-0
	752685-02-2	752685-04-4	752685-06-6	752685-08-8	752685-11-3
	752685-13-5	752685-15-7	752685-17-9	752685-19-1	752685-21-5
	752685-23-7	752685-25-9	752685-27-1	752685-29-3	752685-31-7
	752685-33-9	752685-35-1	752685-36-2	752685-37-3	752685-39-5
	752685-41-9	752685-43-1	752685-45-3	752685-47-5	752685-49-7
	752685-51-1	752685-53-3	752685-55-5	752685-57-7	752685-59-9
	752685-61-3	752685-63-5	752685-65-7	752685-67-9	752685-69-1
	752685-71-5	752685-73-7	752685-75-9	752685-77-1	752685-79-3
	752685-81-7	752685-83-9	752685-85-1	752685-87-3	752685-89-5
	752685-91-9	752685-93-1	752685-95-3	752685-97-5	752685-99-7
	752686-01-4	752686-03-6	752686-05-8	752686-07-0	752686-09-2
	752686-11-6	752686-13-8	752686-15-0	752686-17-2	752686-19-4
	752686-21-8	752686-23-0	752686-25-2	752686-27-4	752686-29-6
	752686-31-0	752686-33-2	752686-35-4	752686-38-7	752686-40-1
	752686-42-3	752686-44-5	752686-45-6	752686-47-8	752686-49-0
	752686-51-4	752686-53-6	752686-57-0	752686-59-2	752686-61-6
	752686-63-8	752686-65-0	752686-67-2	752686-69-4	752686-71-8
	752686-73-0	752686-75-2	752686-77-4	752686-79-6	752686-81-0
	752686-83-2	752686-85-4	752686-87-6	752686-90-1	752686-92-3
	752686-94-5	752686-96-7	752686-97-8	752686-99-0	752687-01-7
	752687-03-9	752687-05-1	752687-07-3	752687-09-5	752687-11-9
	752687-13-1	752687-15-3	752687-17-5	752687-19-7	752687-21-1
	752687-23-3	752687-25-5	752687-27-7	752687-29-9	752687-31-3
	752687-33-5	752687-35-7	752687-37-9	752687-39-1	752687-41-5
	752687-44-8	752687-46-0	752687-48-2	752687-50-6	752687-51-7
	752687-53-9	752687-55-1	752687-57-3	752687-60-8	752687-62-0
	752687-64-2	752687-66-4	752687-68-6	752687-70-0	752687-72-2
	752687-74-4	752687-76-6	752687-78-8	752687-80-2	752687-82-4
	752687-84-6	752687-86-8	752687-88-0	752687-90-4	752687-92-6
	752687-94-8	752687-96-0	752687-98-2	752688-00-9	752688-02-1
	752688-04-3	752688-06-5	752688-08-7	752688-10-1	752688-12-3
	752688-14-5	752688-15-6	752688-17-8	752688-19-0	752688-21-4
	752688-24-7	752688-26-9	752688-28-1	752688-30-5	752688-32-7
	752688-34-9	752688-36-1	752688-38-3	752688-39-4	752688-41-8
	752688-43-0	752688-45-2	752688-47-4	752688-50-9	752688-52-1
	752688-54-3	752688-55-4	752688-57-6	752688-59-8	752688-61-2
	752688-63-4	752688-65-6	752688-67-8	752688-69-0	752688-71-4
	752688-73-6	752688-75-8	752688-77-0	752688-79-2	752688-81-6
	752688-83-8	752688-85-0	752688-87-2	752688-89-4	752688-91-8
	752688-93-0	752688-95-2	752688-97-4	752688-99-6	752689-01-3
	752689-04-6	752689-06-8	752689-08-0	752689-09-1	752689-11-5
	752689-13-7	752689-15-9	752689-17-1	752689-19-3	752689-21-7
	752689-23-9	752689-25-1	752689-27-3	752689-29-5	752689-31-9
	752689-33-1	752689-35-3	752689-37-5	752689-39-7	752689-41-1
	752689-43-3	752689-45-5	752689-47-7	752689-49-9	752689-51-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752689-53-5	752689-56-8	752689-58-0	752689-60-4	752689-61-5
	752689-63-7	752689-65-9	752689-67-1	752689-69-3	752689-71-7
	752689-73-9	752689-75-1	752689-77-3	752689-79-5	752689-81-9
	752689-83-1	752689-85-3	752689-88-6	752689-90-0	752689-92-2
	752689-94-4	752689-96-6	752689-98-8	752690-02-1	752690-04-3

752690-06-5	752690-08-7	752690-10-1	752690-12-3	752690-14-5
752690-16-7	752690-18-9	752690-20-3	752690-22-5	752690-24-7
752690-26-9	752690-28-1	752690-30-5	752690-32-7	752690-34-9
752690-36-1	752690-38-3	752690-40-7	752690-42-9	752690-44-1
752690-46-3	752690-48-5	752690-50-9	752690-52-1	752690-54-3
752690-56-5	752690-58-7	752690-60-1	752690-62-3	752690-64-5
752690-66-7	752690-68-9	752690-70-3	752690-72-5	752690-73-6
752690-75-8	752690-77-0	752690-79-2	752690-82-7	752690-84-9
752690-86-1	752690-88-3	752690-90-7	752690-92-9	752690-94-1
752690-96-3	752690-98-5	752691-00-2	752691-02-4	752691-04-6
752691-06-8	752691-09-1	752691-11-5	752691-13-7	752691-14-8
752691-16-0	752691-19-3	752691-21-7	752691-23-9	752691-25-1
752691-27-3	752691-29-5	752691-31-9	752691-33-1	752691-35-3
752691-37-5	752691-39-7	752691-41-1	752691-43-3	752691-45-5
752691-47-7	752691-49-9	752691-51-3	752691-53-5	752691-55-7
752691-57-9	752691-59-1	752691-61-5	752691-64-8	752691-65-9
752691-67-1	752691-69-3	752691-71-7	752691-73-9	752691-75-1
752691-77-3	752691-79-5	752691-81-9	752691-83-1	752691-85-3
752691-87-5	752691-89-7	752691-91-1	752691-93-3	752691-95-5
752691-97-7	752691-99-9	752692-01-6	752692-03-8	752692-05-0
752692-08-3	752692-10-7	752692-12-9	752692-14-1	752692-16-3
752692-18-5	752692-20-9	752692-22-1	752692-24-3	752692-26-5
752692-28-7	752692-30-1	752692-32-3	752692-34-5	752692-36-7
752692-38-9	752692-40-3	752692-42-5	752692-44-7	752692-46-9
752692-48-1	752692-50-5	752692-52-7	752692-54-9	752692-56-1
752692-58-3	752692-60-7	752692-62-9	752692-64-1	752692-66-3
752692-68-5	752692-70-9	752692-72-1	752692-74-3	752692-76-5
752692-78-7	752692-80-1	752692-82-3	752692-84-5	752692-86-7
752692-88-9	752692-90-3	752692-92-5	752692-95-8	752692-97-0
752692-99-2	752693-01-9	752693-03-1	752693-05-3	752693-07-5
752693-09-7	752693-11-1	752693-13-3	752693-15-5	752693-17-7
752693-19-9	752693-21-3	752693-23-5	752693-25-7	752693-27-9
752693-29-1	752693-31-5	752693-33-7	752693-35-9	752693-37-1
752693-39-3	752693-41-7	752693-43-9	752693-45-1	752693-47-3
752693-49-5	752693-51-9	752693-53-1	752693-55-3	752693-57-5
752693-59-7	752693-61-1	752693-63-3	752693-66-6	752693-68-8
752693-69-9	752693-71-3	752693-73-5	752693-75-7	752693-78-0
752693-80-4	752693-82-6	752693-84-8	752693-86-0	752693-88-2
752693-90-6	752693-92-8	752693-94-0	752693-96-2	752693-98-4
752694-00-1	752694-02-3	752694-04-5	752694-06-7	752694-08-9
752694-10-3	752694-12-5	752694-14-7	752694-16-9	752694-18-1
752694-20-5	752694-22-7	752694-24-9	752694-26-1	752694-28-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752694-30-7	752694-32-9	752694-34-1	752694-36-3	752694-38-5
	752694-40-9	752694-42-1	752694-44-3	752694-46-5	752694-48-7
	752694-50-1	752694-52-3	752694-54-5	752694-56-7	752694-58-9
	752694-60-3	752694-62-5	752694-64-7	752694-66-9	752694-68-1
	752694-70-5	752694-72-7	752694-74-9	752694-76-1	752694-78-3
	752694-80-7	752694-82-9	752694-84-1	752694-86-3	752694-88-5
	752694-90-9	752694-92-1	752694-94-3	752694-96-5	752694-98-7
	752695-00-4	752695-02-6	752695-04-8	752695-06-0	752695-08-2
	752695-10-6	752695-12-8	752695-15-1	752695-17-3	752695-18-4
	752695-20-8	752695-22-0	752695-24-2	752695-26-4	752695-29-7
	752695-31-1	752695-33-3	752695-35-5	752695-37-7	752695-39-9
	752695-41-3	752695-43-5	752695-45-7	752695-47-9	752695-49-1
	752695-51-5	752695-53-7	752695-55-9	752695-57-1	752695-59-3
	752695-61-7	752695-63-9	752695-65-1	752695-67-3	752695-69-5
	752695-71-9	752695-73-1	752695-75-3	752695-77-5	752695-79-7
	752695-87-7	752695-89-9	752695-91-3	752695-93-5	752695-95-7
	752695-97-9	752695-99-1	752696-01-8	752696-03-0	752696-05-2
	752696-07-4	752696-09-6	752696-11-0	752696-13-2	752696-15-4
	752696-17-6	752696-19-8	752696-21-2	752696-23-4	752696-25-6
	752696-27-8	752696-29-0	752696-31-4	752696-33-6	752696-35-8

752696-37-0	752696-39-2	752696-41-6	752696-43-8	752696-45-0
752696-47-2	752696-49-4	752696-51-8	752696-53-0	752696-55-2
752696-58-5	752696-59-6	752696-62-1	752696-64-3	752696-66-5
752696-68-7	752696-70-1	752696-72-3	752696-74-5	752696-76-7
752696-78-9	752696-80-3	752696-82-5	752696-84-7	752696-86-9
752696-88-1	752696-90-5	752696-92-7	752696-94-9	752696-96-1
752696-98-3	752697-00-0	752697-02-2	752697-04-4	752697-06-6
752697-08-8	752697-10-2	752697-12-4	752697-14-6	752697-16-8
752697-18-0	752697-20-4	752697-22-6	752697-24-8	752697-26-0
752697-28-2	752697-30-6	752697-32-8	752697-34-0	752697-36-2
752697-38-4	752697-40-8	752697-43-1	752697-45-3	752697-47-5
752697-49-7	752697-51-1	752697-53-3	752697-56-6	752697-58-8
752697-60-2	752697-62-4	752697-64-6	752697-66-8	752697-68-0
752697-70-4	752697-72-6	752697-73-7	752697-75-9	752697-77-1
752697-79-3	752697-81-7	752697-83-9	752697-85-1	752697-87-3
752697-89-5	752697-91-9	752697-93-1	752697-95-3	752697-97-5
752698-00-3	752698-01-4	752698-03-6	752698-05-8	752698-06-9
752698-08-1	752698-10-5	752698-13-8	752698-15-0	752698-17-2
752698-19-4	752698-21-8	752698-23-0	752698-25-2	752698-27-4
752698-29-6	752698-31-0	752698-33-2	752698-35-4	752698-37-6
752698-39-8	752698-41-2	752698-43-4	752698-45-6	752698-47-8
752698-49-0	752698-51-4	752698-53-6	752698-55-8	752698-57-0
752698-59-2	752698-61-6	752698-63-8	752698-66-1	752698-68-3
752698-70-7	752698-72-9	752698-74-1	752698-76-3	752698-78-5
752698-80-9	752698-82-1	752698-84-3	752698-86-5	752698-88-7
752698-90-1	752698-92-3	752698-94-5	752698-96-7	752698-98-9
752699-00-6	752699-02-8	752699-04-0	752699-06-2	752699-08-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752699-10-8	752699-12-0	752699-14-2	752699-16-4	752699-18-6
	752699-20-0	752699-22-2	752699-24-4	752699-26-6	752699-28-8
	752699-30-2	752699-32-4	752699-34-6	752699-36-8	752699-38-0
	752699-40-4	752699-43-7	752699-44-8	752699-46-0	752699-48-2
	752699-50-6	752699-53-9	752699-55-1	752699-57-3	752699-59-5
	752699-61-9	752699-63-1	752699-65-3	752699-67-5	752699-69-7
	752699-71-1	752699-73-3	752699-75-5	752699-76-6	752699-78-8
	752699-80-2	752699-82-4	752699-84-6	752699-86-8	752699-89-1
	752699-91-5	752699-93-7	752699-95-9	752699-97-1	752699-99-3
	752700-01-9	752700-03-1	752700-05-3	752700-07-5	752700-09-7
	752700-11-1	752700-13-3	752700-15-5	752700-17-7	752700-19-9
	752700-21-3	752700-23-5	752700-25-7	752700-27-9	752700-29-1
	752700-31-5	752700-33-7	752700-35-9	752700-37-1	752700-39-3
	752700-41-7	752700-43-9	752700-45-1	752700-47-3	752700-49-5
	752700-51-9	752700-53-1	752700-55-3	752700-57-5	752700-59-7
	752700-61-1	752700-63-3	752700-65-5	752700-67-7	752700-69-9
	752700-71-3	752700-74-6	752700-76-8	752700-79-1	752700-81-5
	752700-83-7	752700-85-9	752700-87-1	752700-89-3	752700-91-7
	752700-93-9	752700-95-1	752700-97-3	752700-99-5	752701-01-2
	752701-03-4	752701-05-6	752701-07-8	752701-09-0	752701-11-4
	752701-13-6	752701-15-8	752701-17-0	752701-19-2	752701-21-6
	752701-23-8	752701-25-0	752701-27-2	752701-29-4	752701-31-8
	752701-33-0	752701-35-2	752701-37-4	752701-39-6	752701-41-0
	752701-43-2	752701-45-4	752701-47-6	752701-49-8	752701-51-2
	752701-53-4	752701-55-6	752701-57-8	752701-60-3	752701-62-5
	752701-64-7	752701-65-8	752701-66-9	752701-67-0	752701-68-1
	752701-69-2	752701-70-5	752701-71-6	752701-72-7	752701-73-8
	752701-74-9	752701-75-0	752701-76-1	752701-77-2	752701-78-3
	752701-79-4	752701-80-7	752701-81-8	752701-82-9	752701-83-0
	752701-84-1	752701-85-2	752701-86-3	752701-87-4	752701-88-5
	752701-89-6	752701-90-9	752701-91-0	752701-92-1	752701-93-2
	752701-94-3	752701-95-4	752701-96-5	752701-97-6	752701-98-7
	752701-99-8	752702-00-4	752702-01-5	752702-02-6	752702-03-7
	752702-04-8	752702-05-9	752702-06-0	752702-07-1	752702-08-2
	752702-09-3	752702-10-6	752702-11-7	752702-12-8	752702-13-9

752702-14-0	752702-15-1	752702-16-2	752702-17-3	752702-18-4
752702-19-5	752702-20-8	752702-21-9	752702-22-0	752702-23-1
752702-24-2	752702-25-3	752702-26-4	752702-27-5	752702-28-6
752702-29-7	752702-30-0	752702-31-1	752702-32-2	752702-33-3
752702-34-4	752702-35-5	752702-36-6	752702-37-7	752702-38-8
752702-39-9	752702-40-2	752702-41-3	752702-42-4	752702-43-5
752702-44-6	752702-45-7	752702-46-8	752702-47-9	752702-48-0
752702-49-1	752702-50-4	752702-51-5	752702-52-6	752702-53-7
752702-54-8	752702-55-9	752702-56-0	752702-57-1	752702-58-2
752702-59-3	752702-60-6	752702-61-7	752702-62-8	752702-63-9
752702-64-0	752702-65-1	752702-66-2	752702-67-3	752702-68-4
752702-69-5	752702-70-8	752702-71-9	752702-72-0	752702-73-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752702-74-2	752702-75-3	752702-76-4	752702-77-5	752702-78-6
	752702-79-7	752702-80-0	752702-81-1	752702-82-2	752702-83-3
	752702-84-4	752702-85-5	752702-86-6	752702-87-7	752702-88-8
	752702-89-9	752702-90-2	752702-91-3	752702-92-4	752702-93-5
	752702-94-6	752702-95-7	752702-96-8	752702-97-9	752702-98-0
	752702-99-1	752703-00-7	752703-01-8	752703-02-9	752703-03-0
	752703-04-1	752703-05-2	752703-06-3	752703-07-4	752703-08-5
	752703-09-6	752703-10-9	752703-11-0	752703-12-1	752703-13-2
	752703-14-3	752703-15-4	752703-16-5	752703-17-6	752703-18-7
	752703-19-8	752703-20-1	752703-21-2	752703-22-3	752703-23-4
	752703-24-5	752703-25-6	752703-26-7	752703-27-8	752703-28-9
	752703-29-0	752703-30-3	752703-31-4	752703-32-5	752703-33-6
	752703-34-7	752703-35-8	752703-36-9	752703-37-0	752703-38-1
	752703-39-2	752703-40-5	752703-41-6	752703-42-7	752703-43-8
	752703-44-9	752703-45-0	752703-46-1	752703-47-2	752703-48-3
	752703-49-4	752703-50-7	752703-51-8	752703-52-9	752703-53-0
	752703-54-1	752703-55-2	752703-56-3	752703-57-4	752703-58-5
	752703-59-6	752703-60-9	752703-61-0	752703-62-1	752703-63-2
	752703-64-3	752703-65-4	752703-66-5	752703-67-6	752703-68-7
	752703-69-8	752703-70-1	752703-71-2	752703-72-3	752703-73-4
	752703-74-5	752703-75-6	752703-76-7	752703-77-8	752703-78-9
	752703-79-0	752703-80-3	752703-81-4	752703-82-5	752703-83-6
	752703-84-7	752703-85-8	752703-86-9	752703-87-0	752703-88-1
	752703-89-2	752703-90-5	752703-91-6	752703-92-7	752703-93-8
	752703-94-9	752703-95-0	752703-96-1	752703-97-2	752703-98-3
	752703-99-4	752704-00-0	752704-01-1	752704-02-2	752704-03-3
	752704-04-4	752704-05-5	752704-06-6	752704-07-7	752704-08-8
	752704-09-9	752704-10-2	752704-11-3	752704-12-4	752704-13-5
	752704-14-6	752704-15-7	752704-16-8	752704-17-9	752704-18-0
	752704-19-1	752704-20-4	752704-21-5	752704-22-6	752704-23-7
	752704-24-8	752704-25-9	752704-26-0	752704-27-1	752704-28-2
	752704-29-3	752704-30-6	752704-31-7	752704-32-8	752704-33-9
	752704-34-0	752704-35-1	752704-36-2	752704-37-3	752704-38-4
	752704-39-5	752704-40-8	752704-41-9	752704-42-0	752704-43-1
	752704-44-2	752704-45-3	752704-46-4	752704-47-5	752704-48-6
	752704-49-7	752704-50-0	752704-51-1	752704-52-2	752704-53-3
	752704-54-4	752704-55-5	752704-56-6	752704-57-7	752704-58-8
	752704-59-9	752704-60-2	752704-61-3	752704-62-4	752704-63-5
	752704-64-6	752704-65-7	752704-66-8	752704-67-9	752704-68-0
	752704-69-1	752704-70-4	752704-71-5	752704-72-6	752704-73-7
	752704-74-8	752704-75-9	752704-76-0	752704-77-1	752704-78-2
	752704-79-3	752704-80-6	752704-81-7	752704-82-8	752704-83-9
	752704-84-0	752704-85-1	752704-86-2	752704-87-3	752704-88-4
	752704-89-5	752704-90-8	752704-91-9	752704-92-0	752704-93-1
	752704-94-2	752704-95-3	752704-96-4	752704-97-5	752704-98-6
	752704-99-7	752705-00-3	752705-01-4	752705-02-5	752705-03-6
	752705-04-7	752705-05-8	752705-06-9	752705-07-0	752705-08-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and

their uses improvement of transgenic plants)

IT	752705-09-2	752705-10-5	752705-11-6	752705-12-7	752705-13-8
	752705-14-9	752705-15-0	752705-16-1	752705-17-2	752705-18-3
	752705-19-4	752705-20-7	752705-21-8	752705-22-9	752705-23-0
	752705-24-1	752705-25-2	752705-26-3	752705-27-4	752705-28-5
	752705-29-6	752705-30-9	752705-31-0	752705-32-1	752705-33-2
	752705-34-3	752705-35-4	752705-36-5	752705-37-6	752705-38-7
	752705-39-8	752705-40-1	752705-41-2	752705-42-3	752705-43-4
	752705-44-5	752705-45-6	752705-46-7	752705-47-8	752705-48-9
	752705-49-0	752705-50-3	752705-51-4	752705-52-5	752705-53-6
	752705-54-7	752705-55-8	752705-56-9	752705-57-0	752705-58-1
	752705-59-2	752705-60-5	752705-61-6	752705-62-7	752705-63-8
	752705-64-9	752705-65-0	752705-66-1	752705-67-2	752705-68-3
	752705-69-4	752705-70-7	752705-71-8	752705-72-9	752705-73-0
	752705-74-1	752705-75-2	752705-76-3	752705-77-4	752705-78-5
	752705-79-6	752705-80-9	752705-81-0	752705-82-1	752705-83-2
	752705-84-3	752705-85-4	752705-86-5	752705-87-6	752705-88-7
	752705-89-8	752705-90-1	752705-91-2	752705-92-3	752705-93-4
	752705-94-5	752705-95-6	752705-96-7	752705-97-8	752705-98-9
	752705-99-0	752706-00-6	752706-01-7	752706-02-8	752706-03-9
	752706-04-0	752706-05-1	752706-06-2	752706-07-3	752706-08-4
	752706-09-5	752706-10-8	752706-11-9	752706-12-0	752706-13-1
	752706-14-2	752706-15-3	752706-16-4	752706-17-5	752706-18-6
	752706-19-7	752706-20-0	752706-21-1	752706-22-2	752706-23-3
	752706-24-4	752706-25-5	752706-26-6	752706-27-7	752706-28-8
	752706-29-9	752706-30-2	752706-31-3	752706-32-4	752706-33-5
	752706-34-6	752706-35-7	752706-36-8	752706-37-9	752706-38-0
	752706-39-1	752706-40-4	752706-41-5	752706-42-6	752706-43-7
	752706-44-8	752706-45-9	752706-46-0	752706-47-1	752706-48-2
	752706-49-3	752706-50-6	752706-51-7	752706-52-8	752706-53-9
	752706-54-0	752706-55-1	752706-56-2	752706-57-3	752706-58-4
	752706-59-5	752706-60-8	752706-61-9	752706-62-0	752706-63-1
	752706-64-2	752706-65-3	752706-66-4	752706-67-5	752706-68-6
	752706-69-7	752706-70-0	752706-71-1	752706-72-2	752706-73-3
	752706-74-4	752706-75-5	752706-76-6	752706-77-7	752706-78-8
	752706-79-9	752706-80-2	752706-81-3	752706-82-4	752706-83-5
	752706-84-6	752706-85-7	752706-86-8	752706-87-9	752706-88-0
	752706-89-1	752706-90-4	752706-91-5	752706-92-6	752706-93-7
	752706-94-8	752706-95-9	752706-96-0	752706-97-1	752706-98-2
	752706-99-3	752707-00-9	752707-01-0	752707-02-1	752707-03-2
	752707-04-3	752707-05-4	752707-06-5	752707-07-6	752707-08-7
	752707-09-8	752707-10-1	752707-11-2	752707-12-3	752707-13-4
	752707-14-5	752707-15-6	752707-16-7	752707-17-8	752707-18-9
	752707-19-0	752707-20-3	752707-21-4	752707-22-5	752707-23-6
	752707-24-7	752707-25-8	752707-26-9	752707-27-0	752707-28-1
	752707-29-2	752707-30-5	752707-31-6	752707-32-7	752707-33-8
	752707-34-9	752707-35-0	752707-36-1	752707-37-2	752707-38-3
	752707-39-4	752707-40-7	752707-41-8	752707-42-9	752707-43-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752707-44-1	752707-45-2	752707-46-3	752707-47-4	752707-48-5
	752707-49-6	752707-50-9	752707-51-0	752707-52-1	752707-53-2
	752707-54-3	752707-55-4	752707-56-5	752707-57-6	752707-58-7
	752707-59-8	752707-60-1	752707-61-2	752707-62-3	752707-63-4
	752707-64-5	752707-65-6	752707-66-7	752707-67-8	752707-68-9
	752707-69-0	752707-70-3	752707-71-4	752707-72-5	752707-73-6
	752707-74-7	752707-75-8	752707-76-9	752707-77-0	752707-78-1
	752707-79-2	752707-80-5	752707-81-6	752707-82-7	752707-83-8
	752707-84-9	752707-85-0	752707-86-1	752707-87-2	752707-88-3
	752707-89-4	752707-90-7	752707-91-8	752707-92-9	752707-93-0
	752707-94-1	752707-95-2	752707-96-3	752707-97-4	752707-98-5
	752707-99-6	752708-00-2	752708-01-3	752708-02-4	752708-03-5
	752708-04-6	752708-05-7	752708-06-8	752708-07-9	752708-08-0
	752708-09-1	752708-10-4	752708-11-5	752708-12-6	752708-13-7

752708-14-8	752708-15-9	752708-16-0	752708-17-1	752708-18-2
752708-19-3	752708-20-6	752708-21-7	752708-22-8	752708-23-9
752708-24-0	752708-25-1	752708-26-2	752708-27-3	752708-28-4
752708-29-5	752708-30-8	752708-31-9	752708-32-0	752708-33-1
752708-34-2	752708-35-3	752708-36-4	752708-37-5	752708-38-6
752708-39-7	752708-40-0	752708-41-1	752708-42-2	752708-43-3
752708-44-4	752708-45-5	752708-46-6	752708-47-7	752708-48-8
752708-49-9	752708-50-2	752708-51-3	752708-52-4	752708-53-5
752708-54-6	752708-55-7	752708-56-8	752708-57-9	752708-58-0
752708-59-1	752708-60-4	752708-61-5	752708-62-6	752708-63-7
752708-64-8	752708-65-9	752708-66-0	752708-67-1	752708-68-2
752708-69-3	752708-70-6	752708-71-7	752708-72-8	752708-73-9
752708-74-0	752708-75-1	752708-76-2	752708-77-3	752708-78-4
752708-79-5	752708-80-8	752708-81-9	752708-82-0	752708-83-1
752708-84-2	752708-85-3	752708-86-4	752708-87-5	752708-88-6
752708-89-7	752708-90-0	752708-91-1	752708-92-2	752708-93-3
752708-94-4	752708-95-5	752708-96-6	752708-97-7	752708-98-8
752709-99-9	752709-00-5	752709-01-6	752709-02-7	752709-03-8
752709-04-9	752709-05-0	752709-06-1	752709-07-2	752709-08-3
752709-09-4	752709-10-7	752709-11-8	752709-12-9	752709-13-0
752709-14-1	752709-15-2	752709-16-3	752709-17-4	752709-18-5
752709-19-6	752709-20-9	752709-21-0	752709-22-1	752709-23-2
752709-24-3	752709-25-4	752709-26-5	752709-27-6	752709-28-7
752709-29-8	752709-30-1	752709-31-2	752709-32-3	752709-33-4
752709-34-5	752709-35-6	752709-36-7	752709-37-8	752709-38-9
752709-39-0	752709-40-3	752709-41-4	752709-42-5	752709-43-6
752709-44-7	752709-45-8	752709-46-9	752709-47-0	752709-48-1
752709-49-2	752709-50-5	752709-51-6	752709-52-7	752709-53-8
752709-54-9	752709-55-0	752709-56-1	752709-57-2	752709-58-3
752709-59-4	752709-60-7	752709-61-8	752709-62-9	752709-63-0
752709-64-1	752709-65-2	752709-66-3	752709-67-4	752709-68-5
752709-69-6	752709-70-9	752709-71-0	752709-72-1	752709-73-2
752709-74-3	752709-75-4	752709-76-5	752709-77-6	752709-78-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752709-79-8	752709-80-1	752709-81-2	752709-82-3	752709-83-4
	752709-84-5	752709-85-6	752709-86-7	752709-87-8	752709-88-9
	752709-89-0	752709-90-3	752709-91-4	752709-92-5	752709-93-6
	752709-94-7	752709-95-8	752709-96-9	752709-97-0	752709-98-1
	752709-99-2	752710-00-2	752710-01-3	752710-02-4	752710-03-5
	752710-04-6	752710-05-7	752710-06-8	752710-07-9	752710-08-0
	752710-09-1	752710-10-4	752710-11-5	752710-12-6	752710-13-7
	752710-14-8	752710-15-9	752710-16-0	752710-17-1	752710-18-2
	752710-19-3	752710-20-6	752710-21-7	752710-22-8	752710-23-9
	752710-24-0	752710-25-1	752710-26-2	752710-27-3	752710-28-4
	752710-29-5	752710-30-8	752710-31-9	752710-32-0	752710-33-1
	752710-34-2	752710-35-3	752710-36-4	752710-37-5	752710-38-6
	752710-39-7	752710-40-0	752710-41-1	752710-42-2	752710-43-3
	752710-44-4	752710-45-5	752710-46-6	752710-47-7	752710-48-8
	752710-49-9	752710-50-2	752710-51-3	752710-52-4	752710-53-5
	752710-54-6	752710-55-7	752710-56-8	752710-57-9	752710-58-0
	752710-59-1	752710-60-4	752710-61-5	752710-62-6	752710-63-7
	752710-64-8	752710-65-9	752710-66-0	752710-67-1	752710-68-2
	752710-69-3	752710-70-6	752710-71-7	752710-72-8	752710-73-9
	752710-74-0	752710-75-1	752710-76-2	752710-77-3	752710-78-4
	752710-79-5	752710-80-8	752710-81-9	752710-82-0	752710-83-1
	752710-84-2	752710-85-3	752710-86-4	752710-87-5	752710-88-6
	752710-89-7	752710-90-0	752710-91-1	752710-92-2	752710-93-3
	752710-94-4	752710-95-5	752710-96-6	752710-97-7	752710-98-8
	752710-99-9	752711-00-5	752711-01-6	752711-02-7	752711-03-8
	752711-04-9	752711-05-0	752711-06-1	752711-07-2	752711-08-3
	752711-09-4	752711-10-7	752711-11-8	752711-12-9	752711-13-0
	752711-14-1	752711-15-2	752711-16-3	752711-17-4	752711-18-5
	752711-19-6	752711-20-9	752711-21-0	752711-22-1	752711-23-2

752711-24-3	752711-25-4	752711-26-5	752711-27-6	752711-28-7
752711-29-8	752711-30-1	752711-31-2	752711-32-3	752711-33-4
752711-34-5	752711-35-6	752711-36-7	752711-37-8	752711-38-9
752711-39-0	752711-40-3	752711-41-4	752711-42-5	752711-43-6
752711-44-7	752711-45-8	752711-46-9	752711-47-0	752711-48-1
752711-49-2	752711-50-5	752711-51-6	752711-52-7	752711-53-8
752711-54-9	752711-55-0	752711-56-1	752711-57-2	752711-58-3
752711-59-4	752711-60-7	752711-61-8	752711-62-9	752711-63-0
752711-64-1	752711-65-2	752711-66-3	752711-67-4	752711-68-5
752711-69-6	752711-70-9	752711-71-0	752711-72-1	752711-73-2
752711-74-3	752711-75-4	752711-76-5	752711-77-6	752711-78-7
752711-79-8	752711-80-1	752711-81-2	752711-82-3	752711-83-4
752711-84-5	752711-85-6	752711-86-7	752711-87-8	752711-88-9
752711-89-0	752711-90-3	752711-91-4	752711-92-5	752711-93-6
752711-94-7	752711-95-8	752711-96-9	752711-97-0	752711-98-1
752711-99-2	752712-00-8	752712-01-9	752712-02-0	752712-03-1
752712-04-2	752712-05-3	752712-06-4	752712-07-5	752712-08-6
752712-09-7	752712-10-0	752712-11-1	752712-12-2	752712-13-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752712-14-4	752712-15-5	752712-16-6	752712-17-7	752712-18-8
	752712-19-9	752712-20-2	752712-21-3	752712-22-4	752712-23-5
	752712-24-6	752712-25-7	752712-26-8	752712-27-9	752712-28-0
	752712-29-1	752712-30-4	752712-31-5	752712-32-6	752712-33-7
	752712-34-8	752712-35-9	752712-36-0	752712-37-1	752712-38-2
	752712-39-3	752712-40-6	752712-41-7	752712-42-8	752712-43-9
	752712-44-0	752712-45-1	752712-46-2	752712-47-3	752712-48-4
	752712-49-5	752712-50-8	752712-51-9	752712-52-0	752712-53-1
	752712-54-2	752712-55-3	752712-56-4	752712-57-5	752712-58-6
	752712-59-7	752712-60-0	752712-61-1	752712-62-2	752712-63-3
	752712-64-4	752712-65-5	752712-66-6	752712-67-7	752712-68-8
	752712-69-9	752712-70-2	752712-71-3	752712-72-4	752712-73-5
	752712-74-6	752712-75-7	752712-76-8	752712-77-9	752712-78-0
	752712-79-1	752712-80-4	752712-81-5	752712-82-6	752712-83-7
	752712-84-8	752712-85-9	752712-86-0	752712-87-1	752712-88-2
	752712-89-3	752712-90-6	752712-91-7	752712-92-8	752712-93-9
	752712-94-0	752712-95-1	752712-96-2	752712-97-3	752712-98-4
	752712-99-5	752713-00-1	752713-01-2	752713-02-3	752713-03-4
	752713-04-5	752713-05-6	752713-06-7	752713-07-8	752713-08-9
	752713-09-0	752713-10-3	752713-11-4	752713-12-5	752713-13-6
	752713-14-7	752713-15-8	752713-16-9	752713-17-0	752713-18-1
	752713-19-2	752713-20-5	752713-21-6	752713-22-7	752713-23-8
	752713-24-9	752713-25-0	752713-26-1	752713-27-2	752713-28-3
	752713-29-4	752713-30-7	752713-31-8	752713-32-9	752713-33-0
	752713-34-1	752713-35-2	752713-36-3	752713-37-4	752713-38-5
	752713-39-6	752713-40-9	752713-41-0	752713-42-1	752713-43-2
	752713-44-3	752713-45-4	752713-46-5	752713-47-6	752713-48-7
	752713-49-8	752713-50-1	752713-51-2	752713-52-3	752713-53-4
	752713-54-5	752713-55-6	752713-56-7	752713-57-8	752713-58-9
	752713-59-0	752713-60-3	752713-61-4	752713-62-5	752713-63-6
	752713-64-7	752713-65-8	752713-66-9	752713-67-0	752713-68-1
	752713-69-2	752713-70-5	752713-71-6	752713-72-7	752713-73-8
	752713-74-9	752713-75-0	752713-76-1	752713-77-2	752713-78-3
	752713-79-4	752713-80-7	752713-81-8	752713-82-9	752713-83-0
	752713-84-1	752713-85-2	752713-86-3	752713-87-4	752713-88-5
	752713-89-6	752713-90-9	752713-91-0	752713-92-1	752713-93-2
	752713-94-3	752713-95-4	752713-96-5	752713-97-6	752713-98-7
	752713-99-8	752714-00-4	752714-01-5	752714-02-6	752714-03-7
	752714-04-8	752714-05-9	752714-06-0	752714-07-1	752714-08-2
	752714-09-3	752714-10-6	752714-11-7	752714-12-8	752714-13-9
	752714-14-0	752714-15-1	752714-16-2	752714-17-3	752714-18-4
	752714-19-5	752714-20-8	752714-21-9	752714-22-0	752714-23-1
	752714-24-2	752714-25-3	752714-26-4	752714-27-5	752714-28-6
	752714-29-7	752714-30-0	752714-31-1	752714-32-2	752714-33-3

752714-34-4 752714-35-5 752714-36-6 752714-37-7 752714-38-8  
 752714-39-9 752714-40-2 752714-41-3 752714-42-4 752714-43-5  
 752714-44-6 752714-45-7 752714-46-8 752714-47-9 752714-48-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752714-49-1	752714-50-4	752714-51-5	752714-52-6	752714-53-7
	752714-54-8	752714-55-9	752714-56-0	752714-57-1	752714-58-2
	752714-59-3	752714-60-6	752714-61-7	752714-62-8	752714-63-9
	752714-64-0	752714-65-1	752714-66-2	752714-67-3	752714-68-4
	752714-69-5	752714-70-8	752714-71-9	752714-72-0	752714-73-1
	752714-74-2	752714-75-3	752714-76-4	752714-77-5	752714-78-6
	752714-79-7	752714-80-0	752714-81-1	752714-82-2	752714-83-3
	752714-84-4	752714-85-5	752714-86-6	752714-87-7	752714-88-8
	752714-89-9	752714-90-2	752714-91-3	752714-92-4	752714-93-5
	752714-94-6	752714-95-7	752714-96-8	752714-97-9	752714-98-0
	752714-99-1	752715-00-7	752715-01-8	752715-02-9	752715-03-0
	752715-04-1	752715-05-2	752715-06-3	752715-07-4	752715-08-5
	752715-09-6	752715-10-9	752715-11-0	752715-12-1	752715-13-2
	752715-14-3	752715-15-4	752715-16-5	752715-17-6	752715-18-7
	752715-19-8	752715-20-1	752715-21-2	752715-22-3	752715-23-4
	752715-24-5	752715-25-6	752715-26-7	752715-27-8	752715-28-9
	752715-29-0	752715-30-3	752715-31-4	752715-32-5	752715-33-6
	752715-34-7	752715-35-8	752715-36-9	752715-37-0	752715-38-1
	752715-39-2	752715-40-5	752715-41-6	752715-42-7	752715-43-8
	752715-44-9	752715-45-0	752715-46-1	752715-47-2	752715-48-3
	752715-49-4	752715-50-7	752715-51-8	752715-52-9	752715-53-0
	752715-54-1	752715-55-2	752715-56-3	752715-57-4	752715-58-5
	752715-59-6	752715-60-9	752715-61-0	752715-62-1	752715-63-2
	752715-64-3	752715-65-4	752715-66-5	752715-67-6	752715-68-7
	752715-69-8	752715-70-1	752715-71-2	752715-72-3	752715-73-4
	752715-74-5	752715-75-6	752715-76-7	752715-77-8	752715-78-9
	752715-79-0	752715-80-3	752715-81-4	752715-82-5	752715-83-6
	752715-84-7	752715-85-8	752715-86-9	752715-87-0	752715-88-1
	752715-89-2	752715-90-5	752715-91-6	752715-92-7	752715-93-8
	752715-94-9	752715-95-0	752715-96-1	752715-97-2	752715-98-3
	752715-99-4	752716-00-0	752716-01-1	752716-02-2	752716-03-3
	752716-04-4	752716-05-5	752716-06-6	752716-07-7	752716-08-8
	752716-09-9	752716-10-2	752716-11-3	752716-12-4	752716-13-5
	752716-14-6	752716-15-7	752716-16-8	752716-17-9	752716-18-0
	752716-19-1	752716-20-4	752716-21-5	752716-22-6	752716-23-7
	752716-24-8	752716-25-9	752716-26-0	752716-27-1	752716-28-2
	752716-29-3	752716-30-6	752716-31-7	752716-32-8	752716-33-9
	752716-34-0	752716-35-1	752716-36-2	752716-37-3	752716-38-4
	752716-39-5	752716-40-8	752716-41-9	752716-42-0	752716-43-1
	752716-44-2	752716-45-3	752716-46-4	752716-47-5	752716-48-6
	752716-49-7	752716-50-0	752716-51-1	752716-52-2	752716-53-3
	752716-54-4	752716-55-5	752716-56-6	752716-57-7	752716-58-8
	752716-59-9	752716-60-2	752716-61-3	752716-62-4	752716-63-5
	752716-64-6	752716-65-7	752716-66-8	752716-67-9	752716-68-0
	752716-69-1	752716-70-4	752716-71-5	752716-72-6	752716-73-7
	752716-74-8	752716-75-9	752716-76-0	752716-77-1	752716-78-2
	752716-79-3	752716-80-6	752716-81-7	752716-82-8	752716-83-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752716-84-0	752716-85-1	752716-86-2	752716-87-3	752716-88-4
	752716-89-5	752716-90-8	752716-91-9	752716-92-0	752716-93-1
	752716-94-2	752716-95-3	752716-96-4	752716-97-5	752716-98-6
	752716-99-7	752717-00-3	752717-01-4	752717-02-5	752717-03-6
	752717-04-7	752717-05-8	752717-06-9	752717-07-0	752717-08-1
	752717-09-2	752717-10-5	752717-11-6	752717-12-7	752717-13-8
	752717-14-9	752717-15-0	752717-16-1	752717-17-2	752717-18-3
	752717-19-4	752717-20-7	752717-21-8	752717-22-9	752717-23-0

752717-24-1 752717-25-2 752717-26-3 752717-27-4 752717-28-5  
 752717-29-6 752717-30-9 752717-31-0 752717-32-1 752717-33-2  
 752717-34-3 752717-35-4 752717-36-5 752717-37-6 752717-38-7  
 752717-39-8 752717-40-1 752717-41-2 752717-42-3 752717-43-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)

(improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752641-73-9 752642-82-3 752644-40-9 752650-07-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

RN 752641-73-9 HCAPLUS

CN Protein (sorghum clone SORBI-28MAY03-C55846\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 TRGTEALTCG IKGSDVHLIS EAATDPEWNG DCTVYRHADS DLAVLPYGAA  
 51 LPVSLKVLEH DILTVSPIKD LAPGFRFAPL GLVDMFNSGG AVEGLTYHLL  
 101 GGAKLLDGGN GSASGSEAVG LACMEVKGCG RFGAYSSVRP RKCMLGSAQL  
 151 EFSYDSSSGL VVLQLEKMPK ERVHKIVVEL

RN 752642-82-3 HCAPLUS

CN Protein (sorghum clone SORBI-28MAY03-C58615\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 SRLRCAAAIA IATAVPAAAA LPLPLALRRH RAFRRVPAAA VCLRFSSCRI  
 51 PAPPRAAAAA MSSLA AAAQR TEHEAGAWFA VPGLSLRDHR FAVPLDHSSP  
 101 DRGDTITVFA REVVAAGKED VSLPYLLYLQ GPGGFESPRP TEAGGWLKKA  
 151 CEDHRVLLD QRG TGLSTPL TPSSLSQITS PAKQVEYLKH FRADNIVKDA  
 201 EIIRLRLVPD AKPWTVLGQS YGGFCAVTYL SFAPEGLKSV LLTGGLPPLG  
 251 EPCTADTVYR ACFKQVQQN EKYYKRYPD IEVVHEVVRY LSESEGGGVL  
 301 LPSGGRLTPK MLQCLGLSGL GSGSGFERLH YLLERVWDPA LVA

RN 752644-40-9 HCAPLUS

CN Protein (sorghum clone SORBI-28MAY03-C64594\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 SLDTFVFSPD LWNIRISKIV KLTAWRACSL FLLIVTALCV PAQLCWRVPH  
 51 AVSPASAFVW QGRRRLEGIF EGSFWRVNYP ACGMVLRCSP LAHCKFCFEN  
 101 M

RN 752650-07-0 HCAPLUS

CN Protein (sorghum clone SORBI-28MAY03-C13789\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MYPKPCAPA GMAVAPVVG F PVAGALRQOW SSGLFDCLDD CHICCLTYWC  
 51 PCITFGRIAE MVDRGATSCG TSGALYAVIA CLTASQCTWV YSCTYRAMMR  
 101 AQFGLPRGAC ADCLVHLCCE PCALCQQYRE LTARGLDPVH GWDFNAAMYP  
 151 PPTQGMRRR

L12 ANSWER 11 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:770686 HCAPLUS  
 DN 141:237805  
 ED Entered STN: 22 Sep 2004  
 TI Sorghum nucleic acids and encoded proteins and their uses improvement of  
 transgenic plants  
 IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147,  
 abandoned.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24  
 INCL 800284000; 435200000; 536023200; 435468000  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24
	INCL	800284000; 435200000; 536023200; 435468000
US 2004172684	NCL	800/284.000 <--
US 2004172684	NCL	800/284.000
	ECLA	C07K014/415; C12N015/82 <--

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST sorghum cDNA protein sequence plant transformation

IT Stress, plant

(cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Cell cycle

(growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant

(heat, improved tolerance to; sorghum nucleic acids and encoded

proteins and their uses improvement of transgenic plants)

IT Recombination, genetic  
(homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Growth regulators, plant  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Pathogen  
(improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Carbohydrates, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Disease resistance, plant  
Growth and development, plant  
Herbicide resistance  
(improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Fats and Glyceridic oils, preparation  
Proteins  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Transcription factors  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Embryophyta  
Protein sequences  
Sorghum bicolor  
Transformation, genetic  
cDNA sequences  
(sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(water deficiency, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Photosynthesis, biological  
(yield improvement by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
(yield improvement in; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
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	752576-05-9	752576-06-0	752576-07-1	752576-08-2	752576-09-3
	752576-10-6	752576-11-7	752576-12-8	752576-13-9	752576-14-0
	752576-15-1	752576-16-2	752576-17-3	752576-18-4	752576-19-5
	752576-20-8	752576-21-9	752576-22-0	752576-23-1	752576-24-2
	752576-25-3	752576-26-4	752576-27-5	752576-28-6	752576-29-7
	752576-30-0	752576-31-1	752576-32-2	752576-33-3	752576-34-4
	752576-35-5	752576-36-6	752576-37-7	752576-38-8	752576-39-9
	752576-40-2	752576-41-3	752576-42-4	752576-43-5	752576-44-6
	752576-45-7	752576-46-8	752576-47-9	752576-48-0	752576-49-1
	752576-50-4	752576-51-5	752576-52-6	752576-53-7	752576-54-8
	752576-55-9	752576-56-0	752576-57-1	752576-58-2	752576-59-3
	752576-60-6	752576-61-7	752576-62-8	752576-63-9	752576-64-0
	752576-65-1	752576-66-2	752576-67-3	752576-68-4	752576-69-5
	752576-70-8	752576-71-9	752576-72-0	752576-73-1	752576-74-2
	752576-75-3	752576-76-4	752576-77-5	752576-78-6	752576-79-7
	752576-80-0	752576-81-1	752576-82-2	752576-83-3	752576-84-4
	752576-85-5	752576-86-6	752576-87-7	752576-88-8	752576-89-9
	752576-90-2	752576-91-3	752576-92-4	752576-93-5	752576-94-6
	752576-95-7	752576-96-8	752576-97-9	752576-98-0	752576-99-1
	752577-00-7	752577-01-8	752577-02-9	752577-03-0	752577-04-1
	752577-05-2	752577-06-3	752577-07-4	752577-08-5	752577-09-6
	752577-10-9	752577-11-0	752577-12-1	752577-13-2	752577-14-3
	752577-15-4	752577-16-5	752577-17-6	752577-18-7	752577-19-8
	752577-20-1	752577-21-2	752577-22-3	752577-23-4	752577-24-5
	752577-25-6	752577-26-7	752577-27-8	752577-28-9	752577-29-0
	752577-30-3	752577-31-4	752577-32-5	752577-33-6	752577-34-7
	752577-35-8	752577-36-9	752577-37-0	752577-38-1	752577-39-2
	752577-40-5	752577-41-6	752577-42-7	752577-43-8	752577-44-9

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	752577-45-0	752577-46-1	752577-47-2	752577-48-3	752577-49-4
	752577-50-7	752577-51-8	752577-52-9	752577-53-0	752577-54-1
	752577-55-2	752577-56-3	752577-57-4	752577-58-5	752577-59-6
	752577-60-9	752577-61-0	752577-62-1	752577-63-2	752577-64-3
	752577-65-4	752577-66-5	752577-67-6	752577-68-7	752577-69-8
	752577-70-1	752577-71-2	752577-72-3	752577-73-4	752577-74-5
	752577-75-6	752577-76-7	752577-77-8	752577-78-9	752577-79-0
	752577-80-3	752577-81-4	752577-82-5	752577-83-6	752577-84-7
	752577-85-8	752577-86-9	752577-87-0	752577-88-1	752577-89-2

752577-90-5	752577-91-6	752577-92-7	752577-93-8	752577-94-9
752577-95-0	752577-96-1	752577-97-2	752577-98-3	752577-99-4
752578-00-0	752578-01-1	752578-02-2	752578-03-3	752578-04-4
752578-05-5	752578-06-6	752578-07-7	752578-08-8	752578-09-9
752578-10-2	752578-11-3	752578-12-4	752578-13-5	752578-14-6
752578-15-7	752578-16-8	752578-17-9	752578-18-0	752578-19-1
752578-20-4	752578-21-5	752578-22-6	752578-23-7	752578-24-8
752578-25-9	752578-26-0	752578-27-1	752578-28-2	752578-29-3
752578-30-6	752578-31-7	752578-32-8	752578-33-9	752578-34-0
752578-35-1	752578-36-2	752578-37-3	752578-38-4	752578-39-5
752578-40-8	752578-41-9	752578-42-0	752578-43-1	752578-44-2
752578-45-3	752578-46-4	752578-47-5	752578-48-6	752578-49-7
752578-50-0	752578-51-1	752578-52-2	752578-53-3	752578-54-4
752578-55-5	752578-56-6	752578-57-7	752578-58-8	752578-59-9
752578-60-2	752578-61-3	752578-62-4	752578-63-5	752578-64-6
752578-65-7	752578-66-8	752578-67-9	752578-68-0	752578-69-1
752578-70-4	752578-71-5	752578-72-6	752578-73-7	752578-74-8
752578-75-9	752578-76-0	752578-77-1	752578-78-2	752578-79-3
752578-80-6	752578-81-7	752578-82-8	752578-83-9	752578-84-0
752578-85-1	752578-86-2	752578-87-3	752578-88-4	752578-89-5
752578-90-8	752578-91-9	752578-92-0	752578-93-1	752578-94-2
752578-95-3	752578-96-4	752578-97-5	752578-98-6	752578-99-7
752579-00-3	752579-01-4	752579-02-5	752579-03-6	752579-04-7
752579-05-8	752579-06-9	752579-07-0	752579-08-1	752579-09-2
752579-10-5	752579-11-6	752579-12-7	752579-13-8	752579-14-9
752579-15-0	752579-16-1	752579-17-2	752579-18-3	752579-19-4
752579-20-7	752579-21-8	752579-22-9	752579-23-0	752579-24-1
752579-25-2	752579-26-3	752579-27-4	752579-28-5	752579-29-6
752579-30-9	752579-31-0	752579-32-1	752579-33-2	752579-34-3
752579-35-4	752579-36-5	752579-37-6	752579-38-7	752579-39-8
752579-40-1	752579-41-2	752579-42-3	752579-43-4	752579-44-5
752579-45-6	752579-46-7	752579-47-8	752579-48-9	752579-49-0
752579-50-3	752579-51-4	752579-52-5	752579-53-6	752579-54-7
752579-55-8	752579-56-9	752579-57-0	752579-58-1	752579-59-2
752579-60-5	752579-61-6	752579-62-7	752579-63-8	752579-64-9
752579-65-0	752579-66-1	752579-67-2	752579-68-3	752579-69-4
752579-70-7	752579-71-8	752579-72-9	752579-73-0	752579-74-1
752579-75-2	752579-76-3	752579-77-4	752579-78-5	752579-79-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752579-80-9	752579-81-0	752579-82-1	752579-83-2	752579-84-3
	752579-85-4	752579-86-5	752579-87-6	752579-88-7	752579-89-8
	752579-90-1	752579-91-2	752579-92-3	752579-93-4	752579-94-5
	752579-95-6	752579-96-7	752579-97-8	752579-98-9	752579-99-0
	752580-00-0	752580-01-1	752580-02-2	752580-03-3	752580-04-4
	752580-05-5	752580-06-6	752580-07-7	752580-08-8	752580-09-9
	752580-10-2	752580-11-3	752580-12-4	752580-13-5	752580-14-6
	752580-15-7	752580-16-8	752580-17-9	752580-18-0	752580-19-1
	752580-20-4	752580-21-5	752580-22-6	752580-23-7	752580-24-8
	752580-25-9	752580-26-0	752580-27-1	752580-28-2	752580-29-3
	752580-30-6	752580-31-7	752580-32-8	752580-33-9	752580-34-0
	752580-35-1	752580-36-2	752580-37-3	752580-38-4	752580-39-5
	752580-40-8	752580-41-9	752580-42-0	752580-43-1	752580-44-2
	752580-45-3	752580-46-4	752580-47-5	752580-48-6	752580-49-7
	752580-50-0	752580-51-1	752580-52-2	752580-53-3	752580-54-4
	752580-55-5	752580-56-6	752580-57-7	752580-58-8	752580-59-9
	752580-60-2	752580-61-3	752580-62-4	752580-63-5	752580-64-6
	752580-65-7	752580-66-8	752580-67-9	752580-68-0	752580-69-1
	752580-70-4	752580-71-5	752580-72-6	752580-73-7	752580-74-8
	752580-75-9	752580-76-0	752580-77-1	752580-78-2	752580-79-3
	752580-80-6	752580-81-7	752580-82-8	752580-83-9	752580-84-0
	752580-85-1	752580-86-2	752580-87-3	752580-88-4	752580-89-5
	752580-90-8	752580-91-9	752580-92-0	752580-93-1	752580-94-2
	752580-95-3	752580-96-4	752580-97-5	752580-98-6	

752580-99-7	752581-00-3	752581-01-4	752581-02-5	752581-03-6
752581-04-7	752581-05-8	752581-06-9	752581-07-0	752581-08-1
752581-09-2	752581-10-5	752581-11-6	752581-12-7	752581-13-8
752581-14-9	752581-15-0	752581-16-1	752581-17-2	752581-18-3
752581-19-4	752581-20-7	752581-21-8	752581-22-9	752581-23-0
752581-24-1	752581-25-2	752581-26-3	752581-27-4	752581-28-5
752581-29-6	752581-30-9	752581-31-0	752581-32-1	752581-33-2
752581-34-3	752581-35-4	752581-36-5	752581-37-6	752581-38-7
752581-39-8	752581-40-1	752581-41-2	752581-42-3	752581-43-4
752581-44-5	752581-45-6	752581-46-7	752581-47-8	752581-48-9
752581-49-0	752581-50-3	752581-51-4	752581-52-5	752581-53-6
752581-54-7	752581-55-8	752581-56-9	752581-57-0	752581-58-1
752581-59-2	752581-60-5	752581-61-6	752581-62-7	752581-63-8
752581-64-9	752581-65-0	752581-66-1	752581-67-2	752581-68-3
752581-69-4	752581-70-7	752581-71-8	752581-72-9	752581-73-0
752581-74-1	752581-75-2	752581-76-3	752581-77-4	752581-78-5
752581-79-6	752581-80-9	752581-81-0	752581-82-1	752581-83-2
752581-84-3	752581-85-4	752581-86-5	752581-87-6	752581-88-7
752581-89-8	752581-90-1	752581-91-2	752581-92-3	752581-93-4
752581-94-5	752581-95-6	752581-96-7	752581-97-8	752581-98-9
752581-99-0	752582-00-6	752582-01-7	752582-02-8	752582-03-9
752582-04-0	752582-05-1	752582-06-2	752582-07-3	752582-08-4
752582-09-5	752582-10-8	752582-11-9	752582-12-0	752582-13-1
752582-14-2				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752582-15-3	752582-16-4	752582-17-5	752582-18-6	752582-19-7
	752582-20-0	752582-21-1	752582-22-2	752582-23-3	752582-24-4
	752582-25-5	752582-26-6	752582-27-7	752582-28-8	752582-29-9
	752582-30-2	752582-31-3	752582-32-4	752582-33-5	752582-34-6
	752582-35-7	752582-36-8	752582-37-9	752582-38-0	752582-39-1
	752582-40-4	752582-41-5	752582-42-6	752582-43-7	752582-44-8
	752582-45-9	752582-46-0	752582-47-1	752582-48-2	752582-49-3
	752582-50-6	752582-51-7	752582-52-8	752582-53-9	752582-54-0
	752582-55-1	752582-56-2	752582-57-3	752582-58-4	752582-59-5
	752582-60-8	752582-61-9	752582-62-0	752582-63-1	752582-64-2
	752582-65-3	752582-66-4	752582-67-5	752582-68-6	752582-69-7
	752582-70-0	752582-71-1	752582-72-2	752582-73-3	752582-74-4
	752582-75-5	752582-76-6	752582-77-7	752582-78-8	752582-79-9
	752582-80-2	752582-81-3	752582-82-4	752582-83-5	752582-84-6
	752582-85-7	752582-86-8	752582-87-9	752582-88-0	752582-89-1
	752582-90-4	752582-91-5	752582-92-6	752582-93-7	752582-94-8
	752582-95-9	752582-96-0	752582-97-1	752582-98-2	752582-99-3
	752583-00-9	752583-01-0	752583-02-1	752583-03-2	752583-04-3
	752583-05-4	752583-06-5	752583-07-6	752583-08-7	752583-09-8
	752583-10-1	752583-11-2	752583-12-3	752583-13-4	752583-14-5
	752583-15-6	752583-16-7	752583-17-8	752583-18-9	752583-19-0
	752583-20-3	752583-21-4	752583-22-5	752583-23-6	752583-24-7
	752583-25-8	752583-26-9	752583-27-0	752583-28-1	752583-29-2
	752583-30-5	752583-31-6	752583-32-7	752583-33-8	752583-34-9
	752583-35-0	752583-36-1	752583-37-2	752583-38-3	752583-39-4
	752583-40-7	752583-41-8	752583-42-9	752583-43-0	752583-44-1
	752583-45-2	752583-46-3	752583-47-4	752583-48-5	752583-49-6
	752583-50-9	752583-51-0	752583-52-1	752583-53-2	752583-54-3
	752583-55-4	752583-56-5	752583-57-6	752583-58-7	
	752583-59-8	752583-60-1	752583-61-2	752583-62-3	752583-63-4
	752583-64-5	752583-65-6	752583-66-7	752583-67-8	752583-68-9
	752583-69-0	752583-70-3	752583-71-4	752583-72-5	752583-73-6
	752583-74-7	752583-75-8	752583-76-9	752583-77-0	752583-78-1
	752583-79-2	752583-80-5	752583-81-6	752583-82-7	752583-83-8
	752583-84-9	752583-85-0	752583-86-1	752583-87-2	752583-88-3
	752583-89-4	752583-90-7	752583-91-8	752583-92-9	752583-93-0
	752583-94-1	752583-95-2	752583-96-3	752583-97-4	752583-98-5
	752583-99-6	752584-00-2	752584-01-3	752584-02-4	752584-03-5

752584-04-6	752584-05-7	752584-06-8	752584-07-9	752584-08-0
752584-09-1	752584-10-4	752584-11-5	752584-12-6	752584-13-7
752584-14-8	752584-15-9	752584-16-0	752584-17-1	752584-18-2
752584-19-3	752584-20-6	752584-21-7	752584-22-8	752584-23-9
752584-24-0	752584-25-1	752584-26-2	752584-27-3	752584-28-4
752584-29-5	752584-30-8	752584-31-9	752584-32-0	752584-33-1
752584-34-2	752584-35-3	752584-36-4	752584-37-5	752584-38-6
752584-39-7	752584-40-0	752584-41-1	752584-42-2	752584-43-3
752584-44-4	752584-45-5	752584-46-6	752584-47-7	752584-48-8
752584-49-9				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752584-50-2	752584-51-3	752584-52-4	752584-53-5	752584-54-6
	752584-55-7	752584-56-8	752584-57-9	752584-58-0	752584-59-1
	752584-60-4	752584-61-5	752584-62-6	752584-63-7	752584-64-8
	752584-65-9	752584-66-0	752584-67-1	752584-68-2	752584-69-3
	752584-70-6	752584-71-7	752584-72-8	752584-73-9	752584-74-0
	752584-75-1	752584-76-2	752584-77-3	752584-78-4	752584-79-5
	752584-80-8	752584-81-9	752584-82-0	752584-83-1	752584-84-2
	752584-85-3	752584-86-4	752584-87-5	752584-88-6	752584-89-7
	752584-90-0	752584-91-1	752584-92-2	752584-93-3	752584-94-4
	752584-95-5	752584-96-6	752584-97-7	752584-98-8	752584-99-9
	752585-00-5	752585-01-6	752585-02-7	752585-03-8	752585-04-9
	752585-05-0	752585-06-1	752585-07-2	752585-08-3	752585-09-4
	752585-10-7	752585-11-8	752585-12-9	752585-13-0	752585-14-1
	752585-15-2	752585-16-3	752585-17-4	752585-18-5	752585-19-6
	752585-20-9	752585-21-0	752585-22-1	752585-23-2	752585-24-3
	752585-25-4	752585-26-5	752585-27-6	752585-28-7	752585-29-8
	752585-30-1	752585-31-2	752585-32-3	752585-33-4	752585-34-5
	752585-35-6	752585-36-7	752585-37-8	752585-38-9	752585-39-0
	752585-40-3	752585-41-4	752585-42-5	752585-43-6	752585-44-7
	752585-45-8	752585-46-9	752585-47-0	752585-48-1	752585-49-2
	752585-50-5	752585-51-6	752585-52-7	752585-53-8	752585-54-9
	752585-55-0	752585-56-1	752585-57-2	752585-58-3	752585-59-4
	752585-60-7	752585-61-8	752585-62-9	752585-63-0	752585-64-1
	752585-65-2	752585-66-3	752585-67-4	752585-68-5	752585-69-6
	752585-70-9	752585-71-0	752585-72-1	752585-73-2	752585-74-3
	752585-75-4	752585-76-5	752585-77-6	752585-78-7	752585-79-8
	752585-80-1	752585-81-2	752585-82-3	752585-83-4	752585-84-5
	752585-85-6	752585-86-7	752585-87-8	752585-88-9	752585-89-0
	752585-90-3	752585-91-4	752585-92-5	752585-93-6	752585-94-7
	752585-95-8	752585-96-9	752585-97-0	752585-98-1	752585-99-2
	752586-00-8	752586-01-9	752586-02-0	752586-03-1	752586-04-2
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	752586-15-5	752586-16-6	752586-17-7	752586-18-8	752586-19-9
	752586-20-2	752586-21-3	752586-22-4	752586-23-5	752586-24-6
	752586-25-7	752586-26-8	752586-27-9	752586-28-0	752586-29-1
	752586-30-4	752586-31-5	752586-32-6	752586-33-7	752586-34-8
	752586-35-9	752586-36-0	752586-37-1	752586-38-2	752586-39-3
	752586-40-6	752586-41-7	752586-42-8	752586-43-9	752586-44-0
	752586-45-1	752586-46-2	752586-47-3	752586-48-4	752586-49-5
	752586-50-8	752586-51-9	752586-52-0	752586-53-1	752586-54-2
	752586-55-3	752586-56-4	752586-57-5	752586-58-6	752586-59-7
	752586-60-0	752586-61-1	752586-62-2	752586-63-3	752586-64-4
	752586-65-5	752586-66-6	752586-67-7	752586-68-8	752586-69-9
	752586-70-2	752586-71-3	752586-72-4	752586-73-5	752586-74-6
	752586-75-7	752586-76-8	752586-77-9	752586-78-0	752586-79-1
	752586-80-4	752586-81-5	752586-82-6	752586-83-7	752586-84-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752586-85-9	752586-86-0	752586-87-1	752586-88-2	752586-89-3
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752586-90-6	752586-91-7	752586-92-8	752586-93-9	752586-94-0
752586-95-1	752586-96-2	752586-97-3	752586-98-4	752586-99-5
752587-00-1	752587-01-2	752587-02-3	752587-03-4	752587-04-5
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752587-15-8	752587-16-9	752587-17-0	752587-18-1	752587-19-2
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752587-30-7	752587-31-8	752587-32-9	752587-33-0	752587-34-1
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752587-40-9	752587-41-0	752587-42-1	752587-43-2	752587-44-3
752587-45-4	752587-46-5	752587-47-6	752587-48-7	752587-49-8
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752587-55-6	752587-56-7	752587-57-8	752587-58-9	752587-59-0
752587-60-3	752587-61-4	752587-62-5	752587-63-6	752587-64-7
752587-65-8	752587-66-9	752587-67-0	752587-68-1	752587-69-2
752587-70-5	752587-71-6	752587-72-7	752587-73-8	752587-74-9
752587-75-0	752587-76-1	752587-77-2	752587-78-3	752587-79-4
752587-80-7	752587-81-8	752587-82-9	752587-83-0	752587-84-1
752587-85-2	752587-86-3	752587-87-4	752587-88-5	752587-89-6
752587-90-9	752587-91-0	752587-92-1	752587-93-2	752587-94-3
752587-95-4	752587-96-5	752587-97-6	752587-98-7	752587-99-8
752588-00-4	752588-01-5	752588-02-6	752588-03-7	752588-04-8
752588-05-9	752588-06-0	752588-07-1	752588-08-2	752588-09-3
752588-10-6	752588-11-7	752588-12-8	752588-13-9	752588-14-0
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752588-20-8	752588-21-9	752588-22-0	752588-23-1	752588-24-2
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752588-30-0	752588-31-1	752588-32-2	752588-33-3	752588-34-4
752588-35-5	752588-36-6	752588-37-7	752588-38-8	752588-39-9
752588-40-2	752588-41-3	752588-42-4	752588-43-5	752588-44-6
752588-45-7	752588-46-8	752588-47-9	752588-48-0	752588-49-1
752588-50-4	752588-51-5	752588-52-6	752588-53-7	752588-54-8
752588-55-9	752588-56-0	752588-57-1	752588-58-2	752588-59-3
752588-60-6	752588-61-7	752588-62-8	752588-63-9	752588-64-0
752588-65-1	752588-66-2	752588-67-3	752588-68-4	752588-69-5
752588-70-8	752588-71-9	752588-72-0	752588-73-1	752588-74-2
752588-75-3	752588-76-4	752588-77-5	752588-78-6	752588-79-7
752588-80-0	752588-81-1	752588-82-2	752588-83-3	752588-84-4
752588-85-5	752588-86-6	752588-87-7	752588-88-8	752588-89-9
752588-90-2	752588-91-3	752588-92-4	752588-93-5	752588-94-6
752588-95-7	752588-96-8	752588-97-9	752588-98-0	752588-99-1
752589-00-7	752589-01-8	752589-02-9	752589-03-0	752589-04-1
752589-05-2	752589-06-3	752589-07-4	752589-08-5	752589-09-6
752589-10-9	752589-11-0	752589-12-1	752589-13-2	752589-14-3
752589-15-4	752589-16-5	752589-17-6	752589-18-7	752589-19-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752589-20-1	752589-21-2	752589-22-3	752589-23-4	752589-24-5
	752589-25-6	752589-26-7	752589-27-8	752589-28-9	752589-29-0
	752589-30-3	752589-31-4	752589-32-5	752589-33-6	752589-34-7
	752589-35-8	752589-36-9	752589-37-0	752589-38-1	752589-39-2
	752589-40-5	752589-41-6	752589-42-7	752589-43-8	752589-44-9
	752589-45-0	752589-46-1	752589-47-2	752589-48-3	752589-49-4
	752589-50-7	752589-51-8	752589-52-9	752589-53-0	752589-54-1
	752589-55-2	752589-56-3	752589-57-4	752589-58-5	752589-59-6
	752589-60-9	752589-61-0	752589-62-1	752589-63-2	752589-64-3
	752589-65-4	752589-66-5	752589-67-6	752589-68-7	752589-69-8
	752589-70-1	752589-71-2	752589-72-3	752589-73-4	752589-74-5
	752589-75-6	752589-76-7	752589-77-8	752589-78-9	752589-79-0
	752589-80-3	752589-81-4	752589-82-5	752589-83-6	752589-84-7
	752589-85-8	752589-86-9	752589-87-0	752589-88-1	752589-89-2
	752589-90-5	752589-91-6	752589-92-7	752589-93-8	752589-94-9
	752589-95-0	752589-96-1	752589-97-2	752589-98-3	752589-99-4

752590-00-4	752590-01-5	752590-02-6	752590-03-7	752590-04-8
752590-05-9	752590-06-0	752590-07-1	752590-08-2	752590-09-3
752590-10-6	752590-11-7	752590-12-8	752590-13-9	752590-14-0
752590-15-1	752590-16-2	752590-17-3	752590-18-4	752590-19-5
752590-20-8	752590-21-9	752590-22-0	752590-23-1	752590-24-2
752590-25-3	752590-26-4	752590-27-5	752590-28-6	752590-29-7
752590-30-0	752590-31-1	752590-32-2	752590-33-3	752590-34-4
752590-35-5	752590-36-6	752590-37-7	752590-38-8	752590-39-9
752590-40-2	752590-41-3	752590-42-4	752590-43-5	752590-44-6
752590-45-7	752590-46-8	752590-47-9	752590-48-0	752590-49-1
752590-50-4	752590-51-5	752590-52-6	752590-53-7	752590-54-8
752590-55-9	752590-56-0	752590-57-1	752590-58-2	752590-59-3
752590-60-6	752590-61-7	752590-62-8	752590-63-9	752590-64-0
752590-65-1	752590-66-2	752590-67-3	752590-68-4	752590-69-5
752590-70-8	752590-71-9	752590-72-0	752590-73-1	752590-74-2
752590-75-3	752590-76-4	752590-77-5	752590-78-6	752590-79-7
752590-80-0	752590-81-1	752590-82-2	752590-83-3	752590-84-4
752590-85-5	752590-86-6	752590-87-7	752590-88-8	752590-89-9
752590-90-2	752590-91-3	752590-92-4	752590-93-5	752590-94-6
752590-95-7	752590-96-8	752590-97-9	752590-98-0	752590-99-1
752591-00-7	752591-01-8	752591-02-9	752591-03-0	752591-04-1
752591-05-2	752591-06-3	752591-07-4	752591-08-5	752591-09-6
752591-10-9	752591-11-0	752591-12-1	752591-13-2	752591-14-3
752591-15-4	752591-16-5	752591-17-6	752591-18-7	752591-19-8
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752591-25-6	752591-26-7	752591-27-8	752591-28-9	752591-29-0
752591-30-3	752591-31-4	752591-32-5	752591-33-6	752591-34-7
752591-35-8	752591-36-9	752591-37-0	752591-38-1	752591-39-2
752591-40-5	752591-41-6	752591-42-7	752591-43-8	752591-44-9
752591-45-0	752591-46-1	752591-47-2	752591-48-3	752591-49-4
752591-50-7	752591-51-8	752591-52-9	752591-53-0	752591-54-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752591-55-2	752591-56-3	752591-57-4	752591-58-5	752591-59-6
	752591-60-9	752591-61-0	752591-62-1	752591-63-2	752591-64-3
	752591-65-4	752591-66-5	752591-67-6	752591-68-7	752591-69-8
	752591-70-1	752591-71-2	752591-72-3	752591-73-4	752591-74-5
	752591-75-6	752591-76-7	752591-77-8	752591-78-9	752591-79-0
	752591-80-3	752591-81-4	752591-82-5	752591-83-6	752591-84-7
	752591-85-8	752591-86-9	752591-87-0	752591-88-1	752591-89-2
	752591-90-5	752591-91-6	752591-92-7	752591-93-8	752591-94-9
	752591-95-0	752591-96-1	752591-97-2	752591-98-3	752591-99-4
	752592-00-0	752592-01-1	752592-02-2	752592-03-3	752592-04-4
	752592-05-5	752592-06-6	752592-07-7	752592-08-8	752592-09-9
	752592-10-2	752592-11-3	752592-12-4	752592-13-5	752592-14-6
	752592-15-7	752592-16-8	752592-17-9	752592-18-0	752592-19-1
	752592-20-4	752592-21-5	752592-22-6	752592-23-7	752592-24-8
	752592-25-9	752592-26-0	752592-27-1	752592-28-2	752592-29-3
	752592-30-6	752592-31-7	752592-32-8	752592-33-9	752592-34-0
	752592-35-1	752592-36-2	752592-37-3	752592-38-4	752592-39-5
	752592-40-8	752592-41-9	752592-42-0	752592-43-1	752592-44-2
	752592-45-3	752592-46-4	752592-47-5	752592-48-6	752592-49-7
	752592-50-0	752592-51-1	752592-52-2	752592-53-3	752592-54-4
	752592-55-5	752592-56-6	752592-57-7	752592-58-8	752592-59-9
	752592-60-2	752592-61-3	752592-62-4	752592-63-5	752592-64-6
	752592-65-7	752592-66-8	752592-67-9	752592-68-0	752592-69-1
	752592-70-4	752592-71-5	752592-72-6	752592-73-7	752592-74-8
	752592-75-9	752592-76-0	752592-77-1	752592-78-2	752592-79-3
	752592-80-6	752592-81-7	752592-82-8	752592-83-9	752592-84-0
	752592-85-1	752592-86-2	752592-87-3	752592-88-4	752592-89-5
	752592-90-8	752592-91-9	752592-92-0	752592-93-1	752592-94-2
	752592-95-3	752592-96-4	752592-97-5	752592-98-6	752592-99-7
	752593-00-3	752593-01-4	752593-02-5	752593-03-6	752593-04-7
	752593-05-8	752593-06-9	752593-07-0	752593-08-1	752593-09-2

752593-10-5	752593-11-6	752593-12-7	752593-13-8	752593-14-9
752593-15-0	752593-16-1	752593-17-2	752593-18-3	752593-19-4
752593-20-7	752593-21-8	752593-22-9	752593-23-0	752593-24-1
752593-25-2	752593-26-3	752593-27-4	752593-28-5	752593-29-6
752593-30-9	752593-31-0	752593-32-1	752593-33-2	752593-34-3
752593-35-4	752593-36-5	752593-37-6	752593-38-7	752593-39-8
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752593-45-6	752593-46-7	752593-47-8	752593-48-9	752593-49-0
752593-50-3	752593-51-4	752593-52-5	752593-53-6	752593-54-7
752593-55-8	752593-56-9	752593-57-0	752593-58-1	752593-59-2
752593-60-5	752593-61-6	752593-62-7	752593-63-8	752593-64-9
752593-65-0	752593-66-1	752593-67-2	752593-68-3	752593-69-4
752593-70-7	752593-71-8	752593-72-9	752593-73-0	752593-74-1
752593-75-2	752593-76-3	752593-77-4	752593-78-5	752593-79-6
752593-80-9	752593-81-0	752593-82-1	752593-83-2	752593-84-3
752593-85-4	752593-86-5	752593-87-6	752593-88-7	752593-89-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752593-90-1	752593-91-2	752593-92-3	752593-93-4	752593-94-5
	752593-95-6	752593-96-7	752593-97-8	752593-98-9	752593-99-0
	752594-00-6	752594-01-7	752594-02-8	752594-03-9	752594-04-0
	752594-05-1	752594-06-2	752594-07-3	752594-08-4	752594-09-5
	752594-10-8	752594-11-9	752594-12-0	752594-13-1	752594-14-2
	752594-15-3	752594-16-4	752594-17-5	752594-18-6	752594-19-7
	752594-20-0	752594-21-1	752594-22-2	752594-23-3	752594-24-4
	752594-25-5	752594-26-6	752594-27-7	752594-28-8	752594-29-9
	752594-30-2	752594-31-3	752594-32-4	752594-33-5	752594-34-6
	752594-35-7	752594-36-8	752594-37-9	752594-38-0	752594-39-1
	752594-40-4	752594-41-5	752594-42-6	752594-43-7	752594-44-8
	752594-45-9	752594-46-0	752594-47-1	752594-48-2	752594-49-3
	752594-50-6	752594-51-7	752594-52-8	752594-53-9	752594-54-0
	752594-55-1	752594-56-2	752594-57-3	752594-58-4	752594-59-5
	752594-60-8	752594-61-9	752594-62-0	752594-63-1	752594-64-2
	752594-65-3	752594-66-4	752594-67-5	752594-68-6	752594-69-7
	752594-70-0	752594-71-1	752594-72-2	752594-73-3	752594-74-4
	752594-75-5	752594-76-6	752594-77-7	752594-78-8	752594-79-9
	752594-80-2	752594-81-3	752594-82-4	752594-83-5	752594-84-6
	752594-85-7	752594-86-8	752594-87-9	752594-88-0	752594-89-1
	752594-90-4	752594-91-5	752594-92-6	752594-93-7	752594-94-8
	752594-95-9	752594-96-0	752594-97-1	752594-98-2	752594-99-3
	752595-00-9	752595-01-0	752595-02-1	752595-03-2	752595-04-3
	752595-05-4	752595-06-5	752595-07-6	752595-08-7	752595-09-8
	752595-10-1	752595-11-2	752595-12-3	752595-13-4	752595-14-5
	752595-15-6	752595-16-7	752595-17-8	752595-18-9	752595-19-0
	752595-20-3	752595-21-4	752595-22-5	752595-23-6	752595-24-7
	752595-25-8	752595-26-9	752595-27-0	752595-28-1	752595-29-2
	752595-30-5	752595-31-6	752595-32-7	752595-33-8	752595-34-9
	752595-35-0	752595-36-1	752595-37-2	752595-38-3	752595-39-4
	752595-40-7	752595-41-8	752595-42-9	752595-43-0	752595-44-1
	752595-45-2	752595-46-3	752595-47-4	752595-48-5	752595-49-6
	752595-50-9	752595-51-0	752595-52-1	752595-53-2	752595-54-3
	752595-55-4	752595-56-5	752595-57-6	752595-58-7	752595-59-8
	752595-60-1	752595-61-2	752595-62-3	752595-63-4	752595-64-5
	752595-65-6	752595-66-7	752595-67-8	752595-68-9	752595-69-0
	752595-70-3	752595-71-4	752595-72-5	752595-73-6	752595-74-7
	752595-75-8	752595-76-9	752595-77-0	752595-78-1	752595-79-2
	752595-80-5	752595-81-6	752595-82-7	752595-83-8	752595-84-9
	752595-85-0	752595-86-1	752595-87-2	752595-88-3	752595-89-4
	752595-90-7	752595-91-8	752595-92-9	752595-93-0	752595-94-1
	752595-95-2	752595-96-3	752595-97-4	752595-98-5	752595-99-6
	752596-00-2	752596-01-3	752596-02-4	752596-03-5	752596-04-6
	752596-05-7	752596-06-8	752596-07-9	752596-08-0	752596-09-1
	752596-10-4	752596-11-5	752596-12-6	752596-13-7	752596-14-8
	752596-15-9	752596-16-0	752596-17-1	752596-18-2	752596-19-3

752596-20-6 752596-21-7 752596-22-8 752596-23-9 752596-24-0  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	752596-25-1	752596-26-2	752596-27-3	752596-28-4	752596-29-5
	752596-30-8	752596-31-9	752596-32-0	752596-33-1	752596-34-2
	752596-35-3	752596-36-4	752596-37-5	752596-38-6	752596-39-7
	752596-40-0	752596-41-1	752596-42-2	752596-43-3	752596-44-4
	752596-45-5	752596-46-6	752596-47-7	752596-48-8	752596-49-9
	752596-50-2	752596-51-3	752596-52-4	752596-53-5	752596-54-6
	752596-55-7	752596-56-8	752596-57-9	752596-58-0	752596-59-1
	752596-60-4	752596-61-5	752596-62-6	752596-63-7	752596-64-8
	752596-65-9	752596-66-0	752596-67-1	752596-68-2	752596-69-3
	752596-70-6	752596-71-7	752596-72-8	752596-73-9	752596-74-0
	752596-75-1	752596-76-2	752596-77-3	752596-78-4	752596-79-5
	752596-80-8	752596-81-9	752596-82-0	752596-83-1	752596-84-2
	752596-85-3	752596-86-4	752596-87-5	752596-88-6	752596-89-7
	752596-90-0	752596-91-1	752596-92-2	752596-93-3	752596-94-4
	752596-95-5	752596-96-6	752596-97-7	752596-98-8	752596-99-9
	752597-00-5	752597-01-6	752597-02-7	752597-03-8	752597-04-9
	752597-05-0	752597-06-1	752597-07-2	752597-08-3	752597-09-4
	752597-10-7	752597-11-8	752597-12-9	752597-13-0	752597-14-1
	752597-15-2	752597-16-3	752597-17-4	752597-18-5	752597-19-6
	752597-20-9	752597-21-0	752597-22-1	752597-23-2	752597-24-3
	752597-25-4	752597-26-5	752597-27-6	752597-28-7	752597-29-8
	752597-30-1	752597-31-2	752597-32-3	752597-33-4	752597-34-5
	752597-35-6	752597-36-7	752597-37-8	752597-38-9	752597-39-0
	752597-40-3	752597-41-4	752597-42-5	752597-43-6	752597-44-7
	752597-45-8	752597-46-9	752597-47-0	752597-48-1	752597-49-2
	752597-50-5	752597-51-6	752597-52-7	752597-53-8	752597-54-9
	752597-55-0	752597-56-1	752597-57-2	752597-58-3	752597-59-4
	752597-60-7	752597-61-8	752597-62-9	752597-63-0	752597-64-1
	752597-65-2	752597-66-3	752597-67-4	752597-68-5	752597-69-6
	752597-70-9	752597-71-0	752597-72-1	752597-73-2	752597-74-3
	752597-75-4	752597-76-5	752597-77-6	752597-78-7	752597-79-8
	752597-80-1	752597-81-2	752597-82-3	752597-83-4	752597-84-5
	752597-85-6	752597-86-7	752597-87-8	752597-88-9	752597-89-0
	752597-90-3	752597-91-4	752597-92-5	752597-93-6	752597-94-7
	752597-95-8	752597-96-9	752597-97-0	752597-98-1	752597-99-2
	752598-00-8	752598-01-9	752598-02-0	752598-03-1	752598-04-2
	752598-05-3	752598-06-4	752598-07-5	752598-08-6	752598-09-7
	752598-10-0	752598-11-1	752598-12-2	752598-13-3	752598-14-4
	752598-15-5	752598-16-6	752598-17-7	752598-18-8	752598-19-9
	752598-20-2	752598-21-3	752598-22-4	752598-23-5	752598-24-6
	752598-25-7	752598-26-8	752598-27-9	752598-28-0	752598-29-1
	752598-30-4	752598-31-5	752598-32-6	752598-33-7	752598-34-8
	752598-35-9	752598-36-0	752598-37-1	752598-38-2	752598-39-3
	752598-40-6	752598-41-7	752598-42-8	752598-43-9	752598-44-0
	752598-45-1	752598-46-2	752598-47-3	752598-48-4	752598-49-5
	752598-50-8	752598-51-9	752598-52-0	752598-53-1	752598-54-2
	752598-55-3	752598-56-4	752598-57-5	752598-58-6	752598-59-7

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	752598-60-0	752598-61-1	752598-62-2	752598-63-3	752598-64-4
	752598-65-5	752598-66-6	752598-67-7	752598-68-8	752598-69-9
	752598-70-2	752598-71-3	752598-72-4	752598-73-5	752598-74-6
	752598-75-7	752598-76-8	752598-77-9	752598-78-0	752598-79-1
	752598-80-4	752598-81-5	752598-82-6	752598-83-7	752598-84-8
	752598-85-9	752598-86-0	752598-87-1	752598-88-2	752598-89-3
	752598-90-6	752598-91-7	752598-92-8	752598-93-9	752598-94-0
	752598-95-1	752598-96-2	752598-97-3	752598-98-4	752598-99-5
	752599-00-1	752599-01-2	752599-02-3	752599-03-4	752599-04-5
	752599-05-6	752599-06-7	752599-07-8	752599-08-9	752599-09-0

752599-10-3	752599-11-4	752599-12-5	752599-13-6	752599-14-7
752599-15-8	752599-16-9	752599-17-0	752599-18-1	752599-19-2
752599-20-5	752599-21-6	752599-22-7	752599-23-8	752599-24-9
752599-25-0	752599-26-1	752599-27-2	752599-28-3	752599-29-4
752599-30-7	752599-31-8	752599-32-9	752599-33-0	752599-34-1
752599-35-2	752599-36-3	752599-37-4	752599-38-5	752599-39-6
752599-40-9	752599-41-0	752599-42-1	752599-43-2	752599-44-3
752599-45-4	752599-46-5	752599-47-6	752599-48-7	752599-49-8
752599-50-1	752599-51-2	752599-52-3	752599-53-4	752599-54-5
752599-55-6	752599-56-7	752599-57-8	752599-58-9	752599-59-0
752599-60-3	752599-61-4	752599-62-5	752599-63-6	752599-64-7
752599-65-8	752599-66-9	752599-67-0	752599-68-1	752599-69-2
752599-70-5	752599-71-6	752599-72-7	752599-73-8	752599-74-9
752599-75-0	752599-76-1	752599-77-2	752599-78-3	752599-79-4
752599-80-7	752599-81-8	752599-82-9	752599-83-0	752599-84-1
752599-85-2	752599-86-3	752599-87-4	752599-88-5	752599-89-6
752599-90-9	752599-91-0	752599-92-1	752599-93-2	752599-94-3
752599-95-4	752599-96-5	752599-97-6	752599-98-7	752599-99-8
752600-00-3	752600-01-4	752600-02-5	752600-03-6	752600-04-7
752600-05-8	752600-06-9	752600-07-0	752600-08-1	752600-09-2
752600-10-5	752600-11-6	752600-12-7	752600-13-8	752600-14-9
752600-15-0	752600-16-1	752600-17-2	752600-18-3	752600-19-4
752600-20-7	752600-21-8	752600-22-9	752600-23-0	752600-24-1
752600-25-2	752600-26-3	752600-27-4	752600-28-5	752600-29-6
752600-30-9	752600-31-0	752600-32-1	752600-33-2	752600-34-3
752600-35-4	752600-36-5	752600-37-6	752600-38-7	752600-39-8
752600-40-1	752600-41-2	752600-42-3	752600-43-4	752600-44-5
752600-45-6	752600-46-7	752600-47-8	752600-48-9	752600-49-0
752600-50-3	752600-51-4	752600-52-5	752600-53-6	752600-54-7
752600-55-8	752600-56-9	752600-57-0	752600-58-1	752600-59-2
752600-60-5	752600-61-6	752600-62-7	752600-63-8	752600-64-9
752600-65-0	752600-66-1	752600-67-2	752600-68-3	752600-69-4
752600-70-7	752600-71-8	752600-72-9	752600-73-0	752600-74-1
752600-75-2	752600-76-3	752600-77-4	752600-78-5	752600-79-6
752600-80-9	752600-81-0	752600-82-1	752600-83-2	752600-84-3
752600-85-4	752600-86-5	752600-87-6	752600-88-7	752600-89-8
752600-90-1	752600-91-2	752600-92-3	752600-93-4	752600-94-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752600-95-6	752600-96-7	752600-97-8	752600-98-9	752600-99-0
	752601-00-6	752601-01-7	752601-02-8	752601-03-9	752601-04-0
	752601-05-1	752601-06-2	752601-07-3	752601-08-4	752601-09-5
	752601-10-8	752601-11-9	752601-12-0	752601-13-1	752601-14-2
	752601-15-3	752601-16-4	752601-17-5	752601-18-6	752601-19-7
	752601-20-0	752601-21-1	752601-22-2	752601-23-3	752601-24-4
	752601-25-5	752601-26-6	752601-27-7	752601-28-8	752601-29-9
	752601-30-2	752601-31-3	752601-32-4	752601-33-5	752601-34-6
	752601-35-7	752601-36-8	752601-37-9	752601-38-0	752601-39-1
	752601-40-4	752601-41-5	752601-42-6	752601-43-7	752601-44-8
	752601-45-9	752601-46-0	752601-47-1	752601-48-2	752601-49-3
	752601-50-6	752601-51-7	752601-52-8	752601-53-9	752601-54-0
	752601-55-1	752601-56-2	752601-57-3	752601-58-4	752601-59-5
	752601-60-8	752601-61-9	752601-62-0	752601-63-1	752601-64-2
	752601-65-3	752601-66-4	752601-67-5	752601-68-6	752601-69-7
	752601-70-0	752601-71-1	752601-72-2	752601-73-3	752601-74-4
	752601-75-5	752601-76-6	752601-77-7	752601-78-8	752601-79-9
	752601-80-2	752601-81-3	752601-82-4	752601-83-5	752601-84-6
	752601-85-7	752601-86-8	752601-87-9	752601-88-0	752601-89-1
	752601-90-4	752601-91-5	752601-92-6	752601-93-7	752601-94-8
	752601-95-9	752601-96-0	752601-97-1	752601-98-2	752601-99-3
	752602-00-9	752602-01-0	752602-02-1	752602-03-2	752602-04-3
	752602-05-4	752602-06-5	752602-07-6	752602-08-7	752602-09-8
	752602-10-1	752602-11-2	752602-12-3	752602-13-4	752602-14-5
	752602-15-6	752602-16-7	752602-17-8	752602-18-9	752602-19-0

752602-20-3	752602-21-4	752602-22-5	752602-23-6	752602-24-7
752602-25-8	752602-26-9	752602-27-0	752602-28-1	752602-29-2
752602-30-5	752602-31-6	752602-32-7	752602-33-8	752602-34-9
752602-35-0	752602-36-1	752602-37-2	752602-38-3	752602-39-4
752602-40-7	752602-41-8	752602-42-9	752602-43-0	752602-44-1
752602-45-2	752602-46-3	752602-47-4	752602-48-5	752602-49-6
752602-50-9	752602-51-0	752602-52-1	752602-53-2	752602-54-3
752602-55-4	752602-56-5	752602-57-6	752602-58-7	752602-59-8
752602-60-1	752602-61-2	752602-62-3	752602-63-4	752602-64-5
752602-65-6	752602-66-7	752602-67-8	752602-68-9	752602-69-0
752602-70-3	752602-71-4	752602-72-5	752602-73-6	752602-74-7
752602-75-8	752602-76-9	752602-77-0	752602-78-1	752602-79-2
752602-80-5	752602-81-6	752602-82-7	752602-83-8	752602-84-9
752602-85-0	752602-86-1	752602-87-2	752602-88-3	752602-89-4
752602-90-7	752602-91-8	752602-92-9	752602-93-0	752602-94-1
752602-95-2	752602-96-3	752602-97-4	752602-98-5	752602-99-6
752603-00-2	752603-01-3	752603-02-4	752603-03-5	752603-04-6
752603-05-7	752603-06-8	752603-07-9	752603-08-0	752603-09-1
752603-10-4	752603-11-5	752603-12-6	752603-13-7	752603-14-8
752603-15-9	752603-16-0	752603-17-1	752603-18-2	752603-19-3
752603-20-6	752603-21-7	752603-22-8	752603-23-9	752603-24-0
752603-25-1	752603-26-2	752603-27-3	752603-28-4	752603-29-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752603-30-8	752603-31-9	752603-32-0	752603-33-1	752603-34-2
	752603-35-3	752603-36-4	752603-37-5	752603-38-6	752603-39-7
	752603-40-0	752603-41-1	752603-42-2	752603-43-3	752603-44-4
	752603-45-5	752603-46-6	752603-47-7	752603-48-8	752603-49-9
	752603-50-2	752603-51-3	752603-52-4	752603-53-5	752603-54-6
	752603-55-7	752603-56-8	752603-57-9	752603-58-0	752603-59-1
	752603-60-4	752603-61-5	752603-62-6	752603-63-7	752603-64-8
	752603-65-9	752603-66-0	752603-67-1	752603-68-2	752603-69-3
	752603-70-6	752603-71-7	752603-72-8	752603-73-9	752603-74-0
	752603-75-1	752603-76-2	752603-77-3	752603-78-4	752603-79-5
	752603-80-8	752603-81-9	752603-82-0	752603-83-1	752603-84-2
	752603-85-3	752603-86-4	752603-87-5	752603-88-6	752603-89-7
	752603-90-0	752603-91-1	752603-92-2	752603-93-3	752603-94-4
	752603-95-5	752603-96-6	752603-97-7	752603-98-8	752603-99-9
	752604-00-5	752604-01-6	752604-02-7	752604-03-8	752604-04-9
	752604-05-0	752604-06-1	752604-07-2	752604-08-3	752604-09-4
	752604-10-7	752604-11-8	752604-12-9	752604-13-0	752604-14-1
	752604-15-2	752604-16-3	752604-17-4	752604-18-5	752604-19-6
	752604-20-9	752604-21-0	752604-22-1	752604-23-2	752604-24-3
	752604-25-4	752604-26-5	752604-27-6	752604-28-7	752604-29-8
	752604-30-1	752604-31-2	752604-32-3	752604-33-4	752604-34-5
	752604-35-6	752604-36-7	752604-37-8	752604-38-9	752604-39-0
	752604-40-3	752604-41-4	752604-42-5	752604-43-6	752604-44-7
	752604-45-8	752604-46-9	752604-47-0	752604-48-1	752604-49-2
	752604-50-5	752604-51-6	752604-52-7	752604-53-8	752604-54-9
	752604-55-0	752604-56-1	752604-57-2	752604-58-3	752604-59-4
	752604-60-7	752604-61-8	752604-62-9	752604-63-0	752604-64-1
	752604-65-2	752604-66-3	752604-67-4	752604-68-5	752604-69-6
	752604-70-9	752604-71-0	752604-72-1	752604-73-2	752604-74-3
	752604-75-4	752604-76-5	752604-77-6	752604-78-7	752604-79-8
	752604-80-1	752604-81-2	752604-82-3	752604-83-4	752604-84-5
	752604-85-6	752604-86-7	752604-87-8	752604-88-9	752604-89-0
	752604-90-3	752604-91-4	752604-92-5	752604-93-6	752604-94-7
	752604-95-8	752604-96-9	752604-97-0	752604-98-1	752604-99-2
	752605-00-8	752605-01-9	752605-02-0	752605-03-1	752605-04-2
	752605-05-3	752605-06-4	752605-07-5	752605-08-6	752605-09-7
	752605-10-0	752605-11-1	752605-12-2	752605-13-3	752605-14-4
	752605-15-5	752605-16-6	752605-17-7	752605-18-8	752605-19-9
	752605-20-2	752605-21-3	752605-22-4	752605-23-5	752605-24-6
	752605-25-7	752605-26-8	752605-27-9	752605-28-0	752605-29-1

752605-30-4	752605-31-5	752605-32-6	752605-33-7	752605-34-8
752605-35-9	752605-36-0	752605-37-1	752605-38-2	752605-39-3
752605-40-6	752605-41-7	752605-42-8	752605-43-9	752605-44-0
752605-45-1	752605-46-2	752605-47-3	752605-48-4	752605-49-5
752605-50-8	752605-51-9	752605-52-0	752605-53-1	752605-54-2
752605-55-3	752605-56-4	752605-57-5	752605-58-6	752605-59-7
752605-60-0	752605-61-1	752605-62-2	752605-63-3	752605-64-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752605-65-5	752605-66-6	752605-67-7	752605-68-8	752605-69-9
	752605-70-2	752605-71-3	752605-72-4	752605-73-5	752605-74-6
	752605-75-7	752605-76-8	752605-77-9	752605-78-0	752605-79-1
	752605-80-4	752605-81-5	752605-82-6	752605-83-7	752605-84-8
	752605-85-9	752605-86-0	752605-87-1	752605-88-2	752605-89-3
	752605-90-6	752605-91-7	752605-92-8	752605-93-9	752605-94-0
	752605-95-1	752605-96-2	752605-97-3	752605-98-4	752605-99-5
	752606-00-1	752606-01-2	752606-02-3	752606-03-4	752606-04-5
	752606-05-6	752606-06-7	752606-07-8	752606-08-9	752606-09-0
	752606-10-3	752606-11-4	752606-12-5	752606-13-6	752606-14-7
	752606-15-8	752606-16-9	752606-17-0	752606-18-1	752606-19-2
	752606-20-5	752606-21-6	752606-22-7	752606-23-8	752606-24-9
	752606-25-0	752606-26-1	752606-27-2	752606-28-3	752606-29-4
	752606-30-7	752606-31-8	752606-32-9	752606-33-0	752606-34-1
	752606-35-2	752606-36-3	752606-37-4	752606-38-5	752606-39-6
	752606-40-9	752606-41-0	752606-42-1	752606-43-2	752606-44-3
	752606-45-4	752606-46-5	752606-47-6	752606-48-7	752606-49-8
	752606-50-1	752606-51-2	752606-52-3	752606-53-4	752606-54-5
	752606-55-6	752606-56-7	752606-57-8	752606-58-9	752606-59-0
	752606-60-3	752606-61-4	752606-62-5	752606-63-6	752606-64-7
	752606-65-8	752606-66-9	752606-67-0	752606-68-1	752606-69-2
	752606-70-5	752606-71-6	752606-72-7	752606-73-8	752606-74-9
	752606-75-0	752606-76-1	752606-77-2	752606-78-3	752606-79-4
	752606-80-7	752606-81-8	752606-82-9	752606-83-0	752606-84-1
	752606-85-2	752606-86-3	752606-87-4	752606-88-5	752606-89-6
	752606-90-9	752606-91-0	752606-92-1	752606-93-2	752606-94-3
	752606-95-4	752606-96-5	752606-97-6	752606-98-7	752606-99-8
	752607-00-4	752607-01-5	752607-02-6	752607-03-7	752607-04-8
	752607-05-9	752607-06-0	752607-07-1	752607-08-2	752607-09-3
	752607-10-6	752607-11-7	752607-12-8	752607-13-9	752607-14-0
	752607-15-1	752607-16-2	752607-17-3	752607-18-4	752607-19-5
	752607-20-8	752607-21-9	752607-22-0	752607-23-1	752607-24-2
	752607-25-3	752607-26-4	752607-27-5	752607-28-6	752607-29-7
	752607-30-0	752607-31-1	752607-32-2	752607-33-3	752607-34-4
	752607-35-5	752607-36-6	752607-37-7	752607-38-8	752607-39-9
	752607-40-2	752607-41-3	752607-42-4	752607-43-5	752607-44-6
	752607-45-7	752607-46-8	752607-47-9	752607-48-0	752607-49-1
	752607-50-4	752607-51-5	752607-52-6	752607-53-7	752607-54-8
	752607-55-9	752607-56-0	752607-57-1	752607-58-2	752607-59-3
	752607-60-6	752607-61-7	752607-62-8	752607-63-9	752607-64-0
	752607-65-1	752607-66-2	752607-67-3	752607-68-4	752607-69-5
	752607-70-8	752607-71-9	752607-72-0	752607-73-1	752607-74-2
	752607-75-3	752607-76-4	752607-77-5	752607-78-6	752607-79-7
	752607-80-0	752607-81-1	752607-82-2	752607-83-3	752607-84-4
	752607-85-5	752607-86-6	752607-87-7	752607-88-8	752607-89-9
	752607-90-2	752607-91-3	752607-92-4	752607-93-5	752607-94-6
	752607-95-7	752607-96-8	752607-97-9	752607-98-0	752607-99-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752608-00-7	752608-01-8	752608-02-9	752608-03-0	752608-04-1
	752608-05-2	752608-06-3	752608-07-4	752608-08-5	752608-09-6
	752608-10-9	752608-11-0	752608-12-1	752608-13-2	752608-14-3
	752608-15-4	752608-16-5	752608-17-6	752608-18-7	752608-19-8

752608-20-1	752608-21-2	752608-22-3	752608-23-4	752608-24-5
752608-25-6	752608-26-7	752608-27-8	752608-28-9	752608-29-0
752608-30-3	752608-31-4	752608-32-5	752608-33-6	752608-34-7
752608-35-8	752608-36-9	752608-37-0	752608-38-1	752608-39-2
752608-40-5	752608-41-6	752608-42-7	752608-43-8	752608-44-9
752608-45-0	752608-46-1	752608-47-2	752608-48-3	752608-49-4
752608-50-7	752608-51-8	752608-52-9	752608-53-0	752608-54-1
752608-55-2	752608-56-3	752608-57-4	752608-58-5	752608-59-6
752608-60-9	752608-61-0	752608-62-1	752608-63-2	752608-64-3
752608-65-4	752608-66-5	752608-67-6	752608-68-7	752608-69-8
752608-70-1	752608-71-2	752608-72-3	752608-73-4	752608-74-5
752608-75-6	752608-76-7	752608-77-8	752608-78-9	752608-79-0
752608-80-3	752608-81-4	752608-82-5	752608-83-6	752608-84-7
752608-85-8	752608-86-9	752608-87-0	752608-88-1	752608-89-2
752608-90-5	752608-91-6	752608-92-7	752608-93-8	752608-94-9
752608-95-0	752608-96-1	752608-97-2	752608-98-3	752608-99-4
752609-00-0	752609-01-1	752609-02-2	752609-03-3	752609-04-4
752609-05-5	752609-06-6	752609-07-7	752609-08-8	752609-09-9
752609-10-2	752609-11-3	752609-12-4	752609-13-5	752609-14-6
752609-15-7	752609-16-8	752609-17-9	752609-18-0	
752609-19-1	752609-20-4	752609-21-5	752609-22-6	752609-23-7
752609-24-8	752609-25-9	752609-26-0	752609-27-1	752609-28-2
752609-29-3	752609-30-6	752609-31-7	752609-32-8	752609-33-9
752609-34-0	752609-35-1	752609-36-2	752609-37-3	752609-38-4
752609-39-5	752609-40-8	752609-41-9	752609-42-0	752609-43-1
752609-44-2	752609-45-3	752609-46-4	752609-47-5	752609-48-6
752609-49-7	752609-50-0	752609-51-1	752609-52-2	752609-53-3
752609-54-4	752609-55-5	752609-56-6	752609-57-7	752609-58-8
752609-59-9	752609-60-2	752609-61-3	752609-62-4	752609-63-5
752609-64-6	752609-65-7	752609-66-8	752609-67-9	752609-68-0
752609-69-1	752609-70-4	752609-71-5	752609-72-6	752609-73-7
752609-74-8	752609-75-9	752609-76-0	752609-77-1	752609-78-2
752609-79-3	752609-80-6	752609-81-7	752609-82-8	752609-83-9
752609-84-0	752609-85-1	752609-86-2	752609-87-3	752609-88-4
752609-89-5	752609-90-8	752609-91-9	752609-92-0	752609-93-1
752609-94-2	752609-95-3	752609-96-4	752609-97-5	752609-98-6
752609-99-7	752610-00-7	752610-01-8	752610-02-9	752610-03-0
752610-04-1	752610-05-2	752610-06-3	752610-07-4	752610-08-5
752610-09-6	752610-10-9	752610-11-0	752610-12-1	752610-13-2
752610-14-3	752610-15-4	752610-16-5	752610-17-6	752610-18-7
752610-19-8	752610-20-1	752610-21-2	752610-22-3	752610-23-4
752610-24-5	752610-25-6	752610-26-7	752610-27-8	752610-28-9
752610-29-0	752610-30-3	752610-31-4	752610-32-5	752610-33-6
752610-34-7				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752610-35-8	752610-36-9	752610-37-0	752610-38-1	752610-39-2
	752610-40-5	752610-41-6	752610-42-7	752610-43-8	752610-44-9
	752610-45-0	752610-46-1	752610-47-2	752610-48-3	752610-49-4
	752610-50-7	752610-51-8	752610-52-9	752610-53-0	752610-54-1
	752610-55-2	752610-56-3	752610-57-4	752610-58-5	752610-59-6
	752610-60-9	752610-61-0	752610-62-1	752610-63-2	752610-64-3
	752610-65-4	752610-66-5	752610-67-6	752610-68-7	752610-69-8
	752610-70-1	752610-71-2	752610-72-3	752610-73-4	752610-74-5
	752610-75-6	752610-76-7	752610-77-8	752610-78-9	752610-79-0
	752610-80-3	752610-81-4	752610-82-5	752610-83-6	752610-84-7
	752610-85-8	752610-86-9	752610-87-0	752610-88-1	752610-89-2
	752610-90-5	752610-91-6	752610-92-7	752610-93-8	752610-94-9
	752610-95-0	752610-96-1	752610-97-2	752610-98-3	752610-99-4
	752611-00-0	752611-01-1	752611-02-2	752611-03-3	752611-04-4
	752611-05-5	752611-06-6	752611-07-7	752611-08-8	752611-09-9
	752611-10-2	752611-11-3	752611-12-4	752611-13-5	752611-14-6
	752611-15-7	752611-16-8	752611-17-9	752611-18-0	752611-19-1
	752611-20-4	752611-21-5	752611-22-6	752611-23-7	752611-24-8

752611-25-9	752611-26-0	752611-27-1	752611-28-2	752611-29-3
752611-30-6	752611-31-7	752611-32-8	752611-33-9	752611-34-0
752611-35-1	752611-36-2	752611-37-3	752611-38-4	752611-39-5
752611-40-8	752611-41-9	752611-42-0	752611-43-1	752611-44-2
752611-45-3	752611-46-4	752611-47-5	752611-48-6	752611-49-7
752611-50-0	752611-51-1	752611-52-2	752611-53-3	752611-54-4
752611-55-5	752611-56-6	752611-57-7	752611-58-8	752611-59-9
752611-60-2	752611-61-3	752611-62-4	752611-63-5	752611-64-6
752611-65-7	752611-66-8	752611-67-9	752611-68-0	752611-69-1
752611-70-4	752611-71-5	752611-72-6	752611-73-7	752611-74-8
752611-75-9	752611-76-0	752611-77-1	752611-78-2	752611-79-3
752611-80-6	752611-81-7	752611-82-8	752611-83-9	752611-84-0
752611-85-1	752611-86-2	752611-87-3	752611-88-4	752611-89-5
752611-90-8	752611-91-9	752611-92-0	752611-93-1	752611-94-2
752611-95-3	752611-96-4	752611-97-5	752611-98-6	752611-99-7
752612-00-3	752612-01-4	752612-02-5	752612-03-6	752612-04-7
752612-05-8	752612-06-9	752612-07-0	752612-08-1	752612-09-2
752612-10-5	752612-11-6	752612-12-7	752612-13-8	752612-14-9
752612-15-0	752612-16-1	752612-17-2	752612-18-3	752612-19-4
752612-20-7	752612-21-8	752612-22-9	752612-23-0	752612-24-1
752612-25-2	752612-26-3	752612-27-4	752612-28-5	752612-29-6
752612-30-9	752612-31-0	752612-32-1	752612-33-2	752612-34-3
752612-35-4	752612-36-5	752612-37-6	752612-38-7	752612-39-8
752612-40-1	752612-41-2	752612-42-3	752612-43-4	752612-44-5
752612-45-6	752612-46-7	752612-47-8	752612-48-9	752612-49-0
752612-50-3	752612-51-4	752612-52-5	752612-53-6	752612-54-7
752612-55-8	752612-56-9	752612-57-0	752612-58-1	752612-59-2
752612-60-5	752612-61-6	752612-62-7	752612-63-8	752612-64-9
752612-65-0	752612-66-1	752612-67-2	752612-68-3	752612-69-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752612-70-7	752612-71-8	752612-72-9	752612-73-0	752612-74-1
	752612-75-2	752612-76-3	752612-77-4	752612-78-5	752612-79-6
	752612-80-9	752612-81-0	752612-82-1	752612-83-2	752612-84-3
	752612-85-4	752612-86-5	752612-87-6	752612-88-7	752612-89-8
	752612-90-1	752612-91-2	752612-92-3	752612-93-4	752612-94-5
	752612-95-6	752612-96-7	752612-97-8	752612-98-9	752612-99-0
	752613-00-6	752613-01-7	752613-02-8	752613-03-9	752613-04-0
	752613-05-1	752613-06-2	752613-07-3	752613-08-4	752613-09-5
	752613-10-8	752613-11-9	752613-12-0	752613-13-1	752613-14-2
	752613-15-3	752613-16-4	752613-17-5	752613-18-6	752613-19-7
	752613-20-0	752613-21-1	752613-22-2	752613-23-3	752613-24-4
	752613-25-5	752613-26-6	752613-27-7	752613-28-8	752613-29-9
	752613-30-2	752613-31-3	752613-32-4	752613-33-5	752613-34-6
	752613-35-7	752613-36-8	752613-37-9	752613-38-0	752613-39-1
	752613-40-4	752613-41-5	752613-42-6	752613-43-7	752613-44-8
	752613-45-9	752613-46-0	752613-47-1	752613-48-2	752613-49-3
	752613-50-6	752613-51-7	752613-52-8	752613-53-9	752613-54-0
	752613-55-1	752613-56-2	752613-57-3	752613-58-4	752613-59-5
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

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RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

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752618-00-1 752618-01-2

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(improved production of; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen,  
biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; sorghum nucleic acids and encoded  
proteins and their uses improvement of transgenic plants)

IT 752580-97-5 752583-56-5 752609-15-7  
RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and  
their uses improvement of transgenic plants)

RN 752580-97-5 HCAPLUS

CN Proteein (sorghum clone SORBI-28MAY03-C87063\_1.pep fragment) (9CI) (CA  
INDEX NAME)

SEQ 1 MAIRGGAI AA LLLVALLALS SSASAQFVSR RPSKQPPRTS TPGDPKKPPR  
51 NGKFTTVVAN RHHRNYQIT CTTDWGASCY VKCPARCPNK CLAYCAYCLT  
101 FCMCDLMPGT SCGDPRFTGA DGNTFYFHGK KDESFCCLVSD DRLHINARFM  
151 GNHNADSGRD FTWVQALGVT FGAGDGAHSH

RN 752583-56-5 HCAPLUS

CN Proteein (sorghum clone SORBI-28MAY03-C95906\_1.pep fragment) (9CI) (CA  
INDEX NAME)

SEQ 1 HDLVLLDNLS FGVIIRVEAE AFQVLKGVPD RPEVVLVKLR EIKSKIDRRS  
51 SAKDRSNII SASAGVRVIE GACKGKQGPV EHIHKGILFI YDRHHLEHAG  
101 FICAKAQSCS LVGGSAGGRR GNGMDTADAR LGALRSSASI LQSPGRLPPR  
151 GPNMNYGGRF GGGRGGRGHD ALVGKCIKIK SGPKYGYRGR VKEVTGALVR  
201 VELDSLMLKIV TVKRDDIADT PTVATPFR

RN 752609-15-7 HCAPLUS

CN Proteein (sorghum clone SORBI-28MAY03-C93047\_1.pep fragment) (9CI) (CA  
INDEX NAME)

SEQ 1 SVVVVTSLSL AVAVVCAVVV LCIRDQLSYF FTGGEAVARA VSDLCPLLAV

51 TLVLNGVQPV LSGVAVGCGW QAFVAYVNVG CYYIIGVPLG VFLGFYLDLG  
 101 AKGIWSGMVI GGTMMQTLIL LWVTSRTDWN KEVEKARARL DKWDDKKQPL  
 151 LEG

L12 ANSWER 12 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:770685 HCAPLUS  
 DN 141:237804  
 ED Entered STN: 22 Sep 2004  
 TI Sorghum nucleic acids and encoded proteins and their uses improvement of  
 transgenic plants  
 IN Kovalic, David K.; Zhou, Yihua; Cao, Yongwei  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 850,147,  
 abandoned.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24  
 INCL 800284000; 435200000; 536023200; 435468000  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11

## FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
	US 2004172684	A1	20040902	US 2004-767701	20040129 <--
PRAI	US 2000-684016	A2	20001010	<--	
	US 2001-850147	B2	20010508		
	US 2004-767701	A	20040129		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004172684	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24
	INCL	800284000; 435200000; 536023200; 435468000
US 2004172684	NCL	800/284.000 <--
US 2004172684	NCL	800/284.000
	ECLA	C07K014/415; C12N015/82 <--

AB Nucleotide sequences are provided for 31,563 nucleic acids in a cDNA library from sorghum tissue. The open reading frame in each recombinant polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides encoded by the polynucleotide sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Functional assignments from five public classification schemes, GO\_BP, GO\_CC, GO\_MF, KEGG, and EC, and one internal Monsanto classification scheme, POI, are also provided. The disclosed recombinant polynucleotides and recombinant polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 13 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ST sorghum cDNA protein sequence plant transformation

IT Stress, plant

(cold, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Cell cycle

(growth rate control by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant

(heat, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Recombination, genetic

(homologous, increased rate of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Growth regulators, plant  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Pathogen  
 (improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Carbohydrates, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Disease resistance, plant  
 Growth and development, plant  
 Herbicide resistance  
 (improvement of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Fats and Glyceridic oils, preparation  
 Proteins  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (modification of yield and/or content of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (osmotic, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Transcription factors  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (plant improvement by; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Embryophyta  
 Protein sequences  
 Sorghum bicolor  
 Transformation, genetic  
 cDNA sequences  
 (sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (water deficiency, improved tolerance to; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Photosynthesis, biological  
 (yield improvement by modification of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT Stress, plant  
 (yield improvement in; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752533-72-5 752533-73-6 752533-74-7 752533-75-8 752533-76-9  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752536-07-5	752536-08-6	752536-09-7	752536-10-0	752536-11-1
	752536-12-2	752536-13-3	752536-14-4	752536-15-5	752536-16-6
	752536-17-7	752536-18-8	752536-19-9	752536-20-2	752536-21-3
	752536-22-4	752536-23-5	752536-24-6	752536-25-7	752536-26-8
	752536-27-9	752536-28-0	752536-29-1	752536-30-4	752536-31-5
	752536-32-6	752536-33-7	752536-34-8	752536-35-9	752536-36-0
	752536-37-1	752536-38-2	752536-39-3	752536-40-6	752536-41-7
	752536-42-8	752536-43-9	752536-44-0	752536-45-1	752536-46-2
	752536-47-3	752536-48-4	752536-49-5	752536-50-8	752536-51-9
	752536-52-0	752536-53-1	752536-54-2	752536-55-3	752536-56-4
	752536-57-5	752536-58-6	752536-59-7	752536-60-0	752536-61-1
	752536-62-2	752536-63-3	752536-64-4	752536-65-5	752536-66-6
	752536-67-7	752536-68-8	752536-69-9	752536-70-2	752536-71-3
	752536-72-4	752536-73-5	752536-74-6	752536-75-7	752536-76-8
	752536-77-9	752536-78-0	752536-79-1	752536-80-4	752536-81-5
	752536-82-6	752536-83-7	752536-84-8	752536-85-9	752536-86-0
	752536-87-1	752536-88-2	752536-89-3	752536-90-6	752536-91-7
	752536-92-8	752536-93-9	752536-94-0	752536-95-1	752536-96-2
	752537-01-2	752537-02-3	752537-03-4	752537-04-5	752537-05-6
	752537-06-7	752537-07-8	752537-08-9	752537-09-0	752537-10-3
	752537-11-4	752537-12-5	752537-13-6	752537-14-7	752537-15-8
	752537-16-9	752537-17-0	752537-18-1	752537-19-2	752537-20-5
	752537-21-6	752537-22-7	752537-23-8	752537-24-9	752537-25-0
	752537-26-1	752537-27-2	752537-28-3	752537-29-4	752537-30-7
	752537-31-8	752537-32-9	752537-33-0	752537-34-1	752537-35-2
	752537-36-3	752537-37-4	752537-38-5	752537-39-6	752537-40-9
	752537-41-0	752537-42-1	752537-43-2	752537-44-3	752537-45-4
	752537-46-5	752537-47-6	752537-48-7	752537-49-8	752537-50-1
	752537-51-2	752537-52-3	752537-53-4	752537-54-5	752537-55-6
	752537-56-7	752537-57-8	752537-58-9	752537-59-0	752537-60-3
	752537-61-4	752537-62-5	752537-63-6	752537-64-7	752537-65-8
	752537-66-9				

752537-67-0	752537-68-1	752537-69-2	752537-70-5	752537-71-6
752537-72-7	752537-73-8	752537-74-9	752537-75-0	752537-76-1
752537-77-2	752537-78-3	752537-79-4	752537-80-7	752537-81-8
752537-82-9	752537-83-0	752537-84-1	752537-85-2	752537-86-3
752537-87-4	752537-88-5	752537-89-6	752537-90-9	752537-91-0
752537-92-1	752537-93-2	752537-94-3	752537-95-4	752537-96-5
752537-97-6	752537-98-7	752537-99-8	752538-00-4	752538-01-5
752538-02-6	752538-03-7	752538-04-8	752538-05-9	752538-06-0
752538-07-1	752538-08-2	752538-09-3	752538-10-6	752538-11-7
752538-12-8	752538-13-9	752538-14-0	752538-15-1	752538-16-2
752538-17-3	752538-18-4	752538-19-5	752538-20-8	752538-21-9
752538-22-0	752538-23-1	752538-24-2	752538-25-3	752538-26-4
752538-27-5	752538-28-6	752538-29-7	752538-30-0	752538-31-1
752538-32-2	752538-33-3	752538-34-4	752538-35-5	752538-36-6
752538-37-7	752538-38-8	752538-39-9	752538-40-2	752538-41-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752538-42-4	752538-43-5	752538-44-6	752538-45-7	752538-46-8
	752538-47-9	752538-48-0	752538-49-1	752538-50-4	752538-51-5
	752538-52-6	752538-53-7	752538-54-8	752538-55-9	752538-56-0
	752538-57-1	752538-58-2	752538-59-3	752538-60-6	752538-61-7
	752538-62-8	752538-63-9	752538-64-0	752538-65-1	752538-66-2
	752538-67-3	752538-68-4	752538-69-5	752538-70-8	752538-71-9
	752538-72-0	752538-73-1	752538-74-2	752538-75-3	752538-76-4
	752538-77-5	752538-78-6	752538-79-7	752538-80-0	752538-81-1
	752538-82-2	752538-83-3	752538-84-4	752538-85-5	752538-86-6
	752538-87-7	752538-88-8	752538-89-9	752538-90-2	752538-91-3
	752538-92-4	752538-93-5	752538-94-6	752538-95-7	752538-96-8
	752538-97-9	752538-98-0	752538-99-1	752539-00-7	752539-01-8
	752539-02-9	752539-03-0	752539-04-1	752539-05-2	752539-06-3
	752539-07-4	752539-08-5	752539-09-6	752539-10-9	752539-11-0
	752539-12-1	752539-13-2	752539-14-3	752539-15-4	752539-16-5
	752539-17-6	752539-18-7	752539-19-8	752539-20-1	752539-21-2
	752539-22-3	752539-23-4	752539-24-5	752539-25-6	752539-26-7
	752539-27-8	752539-28-9	752539-29-0	752539-30-3	752539-31-4
	752539-32-5	752539-33-6	752539-34-7	752539-35-8	752539-36-9
	752539-37-0	752539-38-1	752539-39-2	752539-40-5	752539-41-6
	752539-42-7	752539-43-8	752539-44-9	752539-45-0	752539-46-1
	752539-47-2	752539-48-3	752539-49-4	752539-50-7	752539-51-8
	752539-52-9	752539-53-0	752539-54-1	752539-55-2	752539-56-3
	752539-57-4	752539-58-5	752539-59-6	752539-60-9	752539-61-0
	752539-62-1	752539-63-2	752539-64-3	752539-65-4	752539-66-5
	752539-67-6	752539-68-7	752539-69-8	752539-70-1	752539-71-2
	752539-72-3	752539-73-4	752539-74-5	752539-75-6	752539-76-7
	752539-77-8	752539-78-9	752539-79-0	752539-80-3	752539-81-4
	752539-82-5	752539-83-6	752539-84-7	752539-85-8	752539-86-9
	752539-87-0	752539-88-1	752539-89-2	752539-90-5	752539-91-6
	752539-92-7	752539-93-8	752539-94-9	752539-95-0	752539-96-1
	752539-97-2	752539-98-3	752539-99-4	752540-00-4	752540-01-5
	752540-02-6	752540-03-7	752540-04-8	752540-05-9	752540-06-0
	752540-07-1	752540-08-2	752540-09-3	752540-10-6	752540-11-7
	752540-12-8	752540-13-9	752540-14-0	752540-15-1	752540-16-2
	752540-17-3	752540-18-4	752540-19-5	752540-20-8	752540-21-9
	752540-22-0	752540-23-1	752540-24-2	752540-25-3	752540-26-4
	752540-27-5	752540-28-6	752540-29-7	752540-30-0	752540-31-1
	752540-32-2	752540-33-3	752540-34-4	752540-35-5	752540-36-6
	752540-37-7	752540-38-8	752540-39-9	752540-40-2	752540-41-3
	752540-42-4	752540-43-5	752540-44-6	752540-45-7	752540-46-8
	752540-47-9	752540-48-0	752540-49-1	752540-50-4	752540-51-5
	752540-52-6	752540-53-7	752540-54-8	752540-55-9	752540-56-0
	752540-57-1	752540-58-2	752540-59-3	752540-60-6	752540-61-7
	752540-62-8	752540-63-9	752540-64-0	752540-65-1	752540-66-2
	752540-67-3	752540-68-4	752540-69-5	752540-70-8	752540-71-9
	752540-72-0	752540-73-1	752540-74-2	752540-75-3	752540-76-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752540-77-5	752540-78-6	752540-79-7	752540-80-0	752540-81-1
	752540-82-2	752540-83-3	752540-84-4	752540-85-5	752540-86-6
	752540-87-7	752540-88-8	752540-89-9	752540-90-2	752540-91-3
	752540-92-4	752540-93-5	752540-94-6	752540-95-7	752540-96-8
	752540-97-9	752540-98-0	752540-99-1	752541-00-7	752541-01-8
	752541-02-9	752541-03-0	752541-04-1	752541-05-2	752541-06-3
	752541-07-4	752541-08-5	752541-09-6	752541-10-9	752541-11-0
	752541-12-1	752541-13-2	752541-14-3	752541-15-4	752541-16-5
	752541-17-6	752541-18-7	752541-19-8	752541-20-1	752541-21-2
	752541-22-3	752541-23-4	752541-24-5	752541-25-6	752541-26-7
	752541-27-8	752541-28-9	752541-29-0	752541-30-3	752541-31-4
	752541-32-5	752541-33-6	752541-34-7	752541-35-8	752541-36-9
	752541-37-0	752541-38-1	752541-39-2	752541-40-5	752541-41-6
	752541-42-7	752541-43-8	752541-44-9	752541-45-0	752541-46-1
	752541-47-2	752541-48-3	752541-49-4	752541-50-7	752541-51-8
	752541-52-9	752541-53-0	752541-54-1	752541-55-2	752541-56-3
	752541-57-4	752541-58-5	752541-59-6	752541-60-9	752541-61-0
	752541-62-1	752541-63-2	752541-64-3	752541-65-4	752541-66-5
	752541-67-6	752541-68-7	752541-69-8	752541-70-1	752541-71-2
	752541-72-3	752541-73-4	752541-74-5	752541-75-6	752541-76-7
	752541-77-8	752541-78-9	752541-79-0	752541-80-3	752541-81-4
	752541-82-5	752541-83-6	752541-84-7	752541-85-8	752541-86-9
	752541-87-0	752541-88-1	752541-89-2	752541-90-5	752541-91-6
	752541-92-7	752541-93-8	752541-94-9	752541-95-0	752541-96-1
	752541-97-2	752541-98-3	752541-99-4	752542-00-0	752542-01-1
	752542-02-2	752542-03-3	752542-04-4	752542-05-5	752542-06-6
	752542-07-7	752542-08-8	752542-09-9	752542-10-2	752542-11-3
	752542-12-4	752542-13-5	752542-14-6	752542-15-7	752542-16-8
	752542-17-9	752542-18-0	752542-19-1	752542-20-4	752542-21-5
	752542-22-6	752542-23-7	752542-24-8	752542-25-9	752542-26-0
	752542-27-1	752542-28-2	752542-29-3	752542-30-6	752542-31-7
	752542-32-8	752542-33-9	752542-34-0	752542-35-1	752542-36-2
	752542-37-3	752542-38-4	752542-39-5	752542-40-8	752542-41-9
	752542-42-0	752542-43-1	752542-44-2	752542-45-3	752542-46-4
	752542-47-5	752542-48-6	752542-49-7	752542-50-0	752542-51-1
	752542-52-2	752542-53-3	752542-54-4	752542-55-5	752542-56-6
	752542-57-7	752542-58-8	752542-59-9	752542-60-2	752542-61-3
	752542-62-4	752542-63-5	752542-64-6	752542-65-7	752542-66-8
	752542-67-9	752542-68-0	752542-69-1	752542-70-4	752542-71-5
	752542-72-6	752542-73-7	752542-74-8	752542-75-9	752542-76-0
	752542-77-1	752542-78-2	752542-79-3	752542-80-6	752542-81-7
	752542-82-8	752542-83-9	752542-84-0	752542-85-1	752542-86-2
	752542-87-3	752542-88-4	752542-89-5	752542-90-8	752542-91-9
	752542-92-0	752542-93-1	752542-94-2	752542-95-3	752542-96-4
	752542-97-5	752542-98-6	752542-99-7	752543-00-3	752543-01-4
	752543-02-5	752543-03-6	752543-04-7	752543-05-8	752543-06-9
	752543-07-0	752543-08-1	752543-09-2	752543-10-5	752543-11-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752543-12-7	752543-13-8	752543-14-9	752543-15-0	752543-16-1
	752543-17-2	752543-18-3	752543-19-4	752543-20-7	752543-21-8
	752543-22-9	752543-23-0	752543-24-1	752543-25-2	752543-26-3
	752543-27-4	752543-28-5	752543-29-6	752543-30-9	752543-31-0
	752543-32-1	752543-33-2	752543-34-3	752543-35-4	752543-36-5
	752543-37-6	752543-38-7	752543-39-8	752543-40-1	752543-41-2
	752543-42-3	752543-43-4	752543-44-5	752543-45-6	752543-46-7
	752543-47-8	752543-48-9	752543-49-0	752543-50-3	752543-51-4
	752543-52-5	752543-53-6	752543-54-7	752543-55-8	752543-56-9
	752543-57-0	752543-58-1	752543-59-2	752543-60-5	752543-61-6
	752543-62-7	752543-63-8	752543-64-9	752543-65-0	752543-66-1

752543-67-2	752543-68-3	752543-69-4	752543-70-7	752543-71-8
752543-72-9	752543-73-0	752543-74-1	752543-75-2	752543-76-3
752543-77-4	752543-78-5	752543-79-6	752543-80-9	752543-81-0
752543-82-1	752543-83-2	752543-84-3	752543-85-4	752543-86-5
752543-87-6	752543-88-7	752543-89-8	752543-90-1	752543-91-2
752543-92-3	752543-93-4	752543-94-5	752543-95-6	752543-96-7
752543-97-8	752543-98-9	752543-99-0	752544-00-6	752544-01-7
752544-02-8	752544-03-9	752544-04-0	752544-05-1	752544-06-2
752544-07-3	752544-08-4	752544-09-5	752544-10-8	
752544-11-9	752544-12-0	752544-13-1	752544-14-2	752544-15-3
752544-16-4	752544-17-5	752544-18-6	752544-19-7	752544-20-0
752544-21-1	752544-22-2	752544-23-3	752544-24-4	752544-25-5
752544-26-6	752544-27-7	752544-28-8	752544-29-9	752544-30-2
752544-31-3	752544-32-4	752544-33-5	752544-34-6	752544-35-7
752544-36-8	752544-37-9	752544-38-0	752544-39-1	752544-40-4
752544-41-5	752544-42-6	752544-43-7	752544-44-8	752544-45-9
752544-46-0	752544-47-1	752544-48-2	752544-49-3	752544-50-6
752544-51-7	752544-52-8	752544-53-9	752544-54-0	752544-55-1
752544-56-2	752544-57-3	752544-58-4	752544-59-5	752544-60-8
752544-61-9	752544-62-0	752544-63-1	752544-64-2	752544-65-3
752544-66-4	752544-67-5	752544-68-6	752544-69-7	752544-70-0
752544-71-1	752544-72-2	752544-73-3	752544-74-4	752544-75-5
752544-76-6	752544-77-7	752544-78-8	752544-79-9	752544-80-2
752544-81-3	752544-82-4	752544-83-5	752544-84-6	752544-85-7
752544-86-8	752544-87-9	752544-88-0	752544-89-1	752544-90-4
752544-91-5	752544-92-6	752544-93-7	752544-94-8	752544-95-9
752544-96-0	752544-97-1	752544-98-2	752544-99-3	752545-00-9
752545-01-0	752545-02-1	752545-03-2	752545-04-3	752545-05-4
752545-06-5	752545-07-6	752545-08-7	752545-09-8	752545-10-1
752545-11-2	752545-12-3	752545-13-4	752545-14-5	752545-15-6
752545-16-7	752545-17-8	752545-18-9	752545-19-0	752545-20-3
752545-21-4	752545-22-5	752545-23-6	752545-24-7	752545-25-8
752545-26-9	752545-27-0	752545-28-1	752545-29-2	752545-30-5
752545-31-6	752545-32-7	752545-33-8	752545-34-9	752545-35-0
752545-36-1	752545-37-2	752545-38-3	752545-39-4	752545-40-7
752545-41-8	752545-42-9	752545-43-0	752545-44-1	752545-45-2
752545-46-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752545-47-4	752545-48-5	752545-49-6	752545-50-9	752545-51-0
	752545-52-1	752545-53-2	752545-54-3	752545-55-4	752545-56-5
	752545-57-6	752545-58-7	752545-59-8	752545-60-1	752545-61-2
	752545-62-3	752545-63-4	752545-64-5	752545-65-6	752545-66-7
	752545-67-8	752545-68-9	752545-69-0	752545-70-3	752545-71-4
	752545-72-5	752545-73-6	752545-74-7	752545-75-8	752545-76-9
	752545-77-0	752545-78-1	752545-79-2	752545-80-5	752545-81-6
	752545-82-7	752545-83-8	752545-84-9	752545-85-0	752545-86-1
	752545-87-2	752545-88-3	752545-89-4	752545-90-7	752545-91-8
	752545-92-9	752545-93-0	752545-94-1	752545-95-2	752545-96-3
	752545-97-4	752545-98-5	752545-99-6	752546-00-2	752546-01-3
	752546-02-4	752546-03-5	752546-04-6	752546-05-7	752546-06-8
	752546-07-9	752546-08-0	752546-09-1	752546-10-4	752546-11-5
	752546-12-6	752546-13-7	752546-14-8	752546-15-9	752546-16-0
	752546-17-1	752546-18-2	752546-19-3	752546-20-6	752546-21-7
	752546-22-8	752546-23-9	752546-24-0	752546-25-1	752546-26-2
	752546-27-3	752546-28-4	752546-29-5	752546-30-8	752546-31-9
	752546-32-0	752546-33-1	752546-34-2	752546-35-3	752546-36-4
	752546-37-5	752546-38-6	752546-39-7	752546-40-0	752546-41-1
	752546-42-2	752546-43-3	752546-44-4	752546-45-5	752546-46-6
	752546-47-7	752546-48-8	752546-49-9	752546-50-2	752546-51-3
	752546-52-4	752546-53-5	752546-54-6	752546-55-7	752546-56-8
	752546-57-9	752546-58-0	752546-59-1	752546-60-4	752546-61-5
	752546-62-6	752546-63-7	752546-64-8	752546-65-9	752546-66-0
	752546-67-1	752546-68-2	752546-69-3	752546-70-6	752546-71-7

752546-72-8	752546-73-9	752546-74-0	752546-75-1	752546-76-2
752546-77-3	752546-78-4	752546-79-5	752546-80-8	752546-81-9
752546-82-0	752546-83-1	752546-84-2	752546-85-3	752546-86-4
752546-87-5	752546-88-6	752546-89-7	752546-90-0	752546-91-1
752546-92-2	752546-93-3	752546-94-4	752546-95-5	752546-96-6
752546-97-7	752546-98-8	752546-99-9	752547-00-5	752547-01-6
752547-02-7	752547-03-8	752547-04-9	752547-05-0	752547-06-1
752547-07-2	752547-08-3	752547-09-4	752547-10-7	752547-11-8
752547-12-9	752547-13-0	752547-14-1	752547-15-2	752547-16-3
752547-17-4	752547-18-5	752547-19-6	752547-20-9	752547-21-0
752547-22-1	752547-23-2	752547-24-3	752547-25-4	752547-26-5
752547-27-6	752547-28-7	752547-29-8	752547-30-1	752547-31-2
752547-32-3	752547-33-4	752547-34-5	752547-35-6	752547-36-7
752547-37-8	752547-38-9	752547-39-0	752547-40-3	752547-41-4
752547-42-5	752547-43-6	752547-44-7	752547-45-8	752547-46-9
752547-47-0	752547-48-1	752547-49-2	752547-50-5	752547-51-6
752547-52-7	752547-53-8	752547-54-9	752547-55-0	752547-56-1
752547-57-2	752547-58-3	752547-59-4	752547-60-7	752547-61-8
752547-62-9	752547-63-0	752547-64-1	752547-65-2	752547-66-3
752547-67-4	752547-68-5	752547-69-6	752547-70-9	752547-71-0
752547-72-1	752547-73-2	752547-74-3	752547-75-4	752547-76-5
752547-77-6	752547-78-7	752547-79-8	752547-80-1	752547-81-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752547-82-3	752547-83-4	752547-84-5	752547-85-6	752547-86-7
	752547-87-8	752547-88-9	752547-89-0	752547-90-3	752547-91-4
	752547-92-5	752547-93-6	752547-94-7	752547-95-8	752547-96-9
	752547-97-0	752547-98-1	752547-99-2	752548-00-8	752548-01-9
	752548-02-0	752548-03-1	752548-04-2	752548-05-3	752548-06-4
	752548-07-5	752548-08-6	752548-09-7	752548-10-0	752548-11-1
	752548-12-2	752548-13-3	752548-14-4	752548-15-5	752548-16-6
	752548-17-7	752548-18-8	752548-19-9	752548-20-2	752548-21-3
	752548-22-4	752548-23-5	752548-24-6	752548-25-7	752548-26-8
	752548-27-9	752548-28-0	752548-29-1	752548-30-4	752548-31-5
	752548-32-6	752548-33-7	752548-34-8	752548-35-9	752548-36-0
	752548-37-1	752548-38-2	752548-39-3	752548-40-6	752548-41-7
	752548-42-8	752548-43-9	752548-44-0	752548-45-1	752548-46-2
	752548-47-3	752548-48-4	752548-49-5	752548-50-8	752548-51-9
	752548-52-0	752548-53-1	752548-54-2	752548-55-3	752548-56-4
	752548-57-5	752548-58-6	752548-59-7	752548-60-0	752548-61-1
	752548-62-2	752548-63-3	752548-64-4	752548-65-5	752548-66-6
	752548-67-7	752548-68-8	752548-69-9	752548-70-2	752548-71-3
	752548-72-4	752548-73-5	752548-74-6	752548-75-7	752548-76-8
	752548-77-9	752548-78-0	752548-79-1	752548-80-4	752548-81-5
	752548-82-6	752548-83-7	752548-84-8	752548-85-9	752548-86-0
	752548-87-1	752548-88-2	752548-89-3	752548-90-6	752548-91-7
	752548-92-8	752548-93-9	752548-94-0	752548-95-1	752548-96-2
	752548-97-3	752548-98-4	752548-99-5	752549-00-1	752549-01-2
	752549-02-3	752549-03-4	752549-04-5	752549-05-6	752549-06-7
	752549-07-8	752549-08-9	752549-09-0	752549-10-3	752549-11-4
	752549-12-5	752549-13-6	752549-14-7	752549-15-8	752549-16-9
	752549-17-0	752549-18-1	752549-19-2	752549-20-5	752549-21-6
	752549-22-7	752549-23-8	752549-24-9	752549-25-0	752549-26-1
	752549-27-2	752549-28-3	752549-29-4	752549-30-7	752549-31-8
	752549-32-9	752549-33-0	752549-34-1	752549-35-2	752549-36-3
	752549-37-4	752549-38-5	752549-39-6	752549-40-9	752549-41-0
	752549-42-1	752549-43-2	752549-44-3	752549-45-4	752549-46-5
	752549-47-6	752549-48-7	752549-49-8	752549-50-1	752549-51-2
	752549-52-3	752549-53-4	752549-54-5	752549-55-6	752549-56-7
	752549-57-8	752549-58-9	752549-59-0	752549-60-3	752549-61-4
	752549-62-5	752549-63-6	752549-64-7	752549-65-8	752549-66-9
	752549-67-0	752549-68-1	752549-69-2	752549-70-5	752549-71-6
	752549-72-7	752549-73-8	752549-74-9	752549-75-0	752549-76-1
	752549-77-2	752549-78-3	752549-79-4	752549-80-7	752549-81-8

752549-82-9	752549-83-0	752549-84-1	752549-85-2	752549-86-3
752549-87-4	752549-88-5	752549-89-6	752549-90-9	752549-91-0
752549-92-1	752549-93-2	752549-94-3	752549-95-4	752549-96-5
752549-97-6	752549-98-7	752549-99-8	752550-00-8	752550-01-9
752550-02-0	752550-03-1	752550-04-2	752550-05-3	752550-06-4
752550-07-5	752550-08-6	752550-09-7	752550-10-0	752550-11-1
752550-12-2	752550-13-3	752550-14-4	752550-15-5	752550-16-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752550-17-7	752550-18-8	752550-19-9	752550-20-2	752550-21-3
	752550-22-4	752550-23-5	752550-24-6	752550-25-7	752550-26-8
	752550-27-9	752550-28-0	752550-29-1	752550-30-4	752550-31-5
	752550-32-6	752550-33-7	752550-34-8	752550-35-9	752550-36-0
	752550-37-1	752550-38-2	752550-39-3	752550-40-6	752550-41-7
	752550-42-8	752550-43-9	752550-44-0	752550-45-1	752550-46-2
	752550-47-3	752550-48-4	752550-49-5	752550-50-8	752550-51-9
	752550-52-0	752550-53-1	752550-54-2	752550-55-3	752550-56-4
	752550-57-5	752550-58-6	752550-59-7	752550-60-0	752550-61-1
	752550-62-2	752550-63-3	752550-64-4	752550-65-5	752550-66-6
	752550-67-7	752550-68-8	752550-69-9	752550-70-2	752550-71-3
	752550-72-4	752550-73-5	752550-74-6	752550-75-7	752550-76-8
	752550-77-9	752550-78-0	752550-79-1	752550-80-4	752550-81-5
	752550-82-6	752550-83-7	752550-84-8	752550-85-9	752550-86-0
	752550-87-1	752550-88-2	752550-89-3	752550-90-6	752550-91-7
	752550-92-8	752550-93-9	752550-94-0	752550-95-1	752550-96-2
	752550-97-3	752550-98-4	752550-99-5	752551-00-1	752551-01-2
	752551-02-3	752551-03-4	752551-04-5	752551-05-6	752551-06-7
	752551-07-8	752551-08-9	752551-09-0	752551-10-3	752551-11-4
	752551-12-5	752551-13-6	752551-14-7	752551-15-8	752551-16-9
	752551-17-0	752551-18-1	752551-19-2	752551-20-5	752551-21-6
	752551-22-7	752551-23-8	752551-24-9	752551-25-0	752551-26-1
	752551-27-2	752551-28-3	752551-29-4	752551-30-7	752551-31-8
	752551-32-9	752551-33-0	752551-34-1	752551-35-2	752551-36-3
	752551-37-4	752551-38-5	752551-39-6	752551-40-9	752551-41-0
	752551-42-1	752551-43-2	752551-44-3	752551-45-4	752551-46-5
	752551-47-6	752551-48-7	752551-49-8	752551-50-1	752551-51-2
	752551-52-3	752551-53-4	752551-54-5	752551-55-6	752551-56-7
	752551-57-8	752551-58-9	752551-59-0	752551-60-3	752551-61-4
	752551-62-5	752551-63-6	752551-64-7	752551-65-8	752551-66-9
	752551-67-0	752551-68-1	752551-69-2	752551-70-5	752551-71-6
	752551-72-7	752551-73-8	752551-74-9	752551-75-0	752551-76-1
	752551-77-2	752551-78-3	752551-79-4	752551-80-7	752551-81-8
	752551-82-9	752551-83-0	752551-84-1	752551-85-2	752551-86-3
	752551-87-4	752551-88-5	752551-89-6	752551-90-9	752551-91-0
	752551-92-1	752551-93-2	752551-94-3	752551-95-4	752551-96-5
	752551-97-6	752551-98-7	752551-99-8	752552-00-4	752552-01-5
	752552-02-6	752552-03-7	752552-04-8	752552-05-9	752552-06-0
	752552-07-1	752552-08-2	752552-09-3	752552-10-6	752552-11-7
	752552-12-8	752552-13-9	752552-14-0	752552-15-1	752552-16-2
	752552-17-3	752552-18-4	752552-19-5	752552-20-8	752552-21-9
	752552-22-0	752552-23-1	752552-24-2	752552-25-3	752552-26-4
	752552-27-5	752552-28-6	752552-29-7	752552-30-0	752552-31-1
	752552-32-2	752552-33-3	752552-34-4	752552-35-5	752552-36-6
	752552-37-7	752552-38-8	752552-39-9	752552-40-2	752552-41-3
	752552-42-4	752552-43-5	752552-44-6	752552-45-7	752552-46-8
	752552-47-9	752552-48-0	752552-49-1	752552-50-4	752552-51-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752552-52-6	752552-53-7	752552-54-8	752552-55-9	752552-56-0
	752552-57-1	752552-58-2	752552-59-3	752552-60-6	752552-61-7
	752552-62-8	752552-63-9	752552-64-0	752552-65-1	752552-66-2
	752552-67-3	752552-68-4	752552-69-5	752552-70-8	752552-71-9

752552-72-0	752552-73-1	752552-74-2	752552-75-3	752552-76-4
752552-77-5	752552-78-6	752552-79-7	752552-80-0	752552-81-1
752552-82-2	752552-83-3	752552-84-4	752552-85-5	752552-86-6
752552-87-7	752552-88-8	752552-89-9	752552-90-2	752552-91-3
752552-92-4	752552-93-5	752552-94-6	752552-95-7	752552-96-8
752552-97-9	752552-98-0	752552-99-1	752553-00-7	752553-01-8
752553-02-9	752553-03-0	752553-04-1	752553-05-2	752553-06-3
752553-07-4	752553-08-5	752553-09-6	752553-10-9	752553-11-0
752553-12-1	752553-13-2	752553-14-3	752553-15-4	752553-16-5
752553-17-6	752553-18-7	752553-19-8	752553-20-1	752553-21-2
752553-22-3	752553-23-4	752553-24-5	752553-25-6	752553-26-7
752553-27-8	752553-28-9	752553-29-0	752553-30-3	752553-31-4
752553-32-5	752553-33-6	752553-34-7	752553-35-8	752553-36-9
752553-37-0	752553-38-1	752553-39-2	752553-40-5	752553-41-6
752553-42-7	752553-43-8	752553-44-9	752553-45-0	752553-46-1
752553-47-2	752553-48-3	752553-49-4	752553-50-7	752553-51-8
752553-52-9	752553-53-0	752553-54-1	752553-55-2	752553-56-3
752553-57-4	752553-58-5	752553-59-6	752553-60-9	752553-61-0
752553-62-1	752553-63-2	752553-64-3	752553-65-4	752553-66-5
752553-67-6	752553-68-7	752553-69-8	752553-70-1	752553-71-2
752553-72-3	752553-73-4	752553-74-5	752553-75-6	752553-76-7
752553-77-8	752553-78-9	752553-79-0	752553-80-3	752553-81-4
752553-82-5	752553-83-6	752553-84-7	752553-85-8	752553-86-9
752553-87-0	752553-88-1	752553-89-2	752553-90-5	752553-91-6
752553-92-7	752553-93-8	752553-94-9	752553-95-0	752553-96-1
752553-97-2	752553-98-3	752553-99-4	752554-00-0	752554-01-1
752554-02-2	752554-03-3	752554-04-4	752554-05-5	752554-06-6
752554-07-7	752554-08-8	752554-09-9	752554-10-2	752554-11-3
752554-12-4	752554-13-5	752554-14-6	752554-15-7	752554-16-8
752554-17-9	752554-18-0	752554-19-1	752554-20-4	752554-21-5
752554-22-6	752554-23-7	752554-24-8	752554-25-9	752554-26-0
752554-27-1	752554-28-2	752554-29-3	752554-30-6	752554-31-7
752554-32-8	752554-33-9	752554-34-0	752554-35-1	752554-36-2
752554-37-3	752554-38-4	752554-39-5	752554-40-8	752554-41-9
752554-42-0	752554-43-1	752554-44-2	752554-45-3	752554-46-4
752554-47-5	752554-48-6	752554-49-7	752554-50-0	752554-51-1
752554-52-2	752554-53-3	752554-54-4	752554-55-5	752554-56-6
752554-57-7	752554-58-8	752554-59-9	752554-60-2	752554-61-3
752554-62-4	752554-63-5	752554-64-6	752554-65-7	752554-66-8
752554-67-9	752554-68-0	752554-69-1	752554-70-4	752554-71-5
752554-72-6	752554-73-7	752554-74-8	752554-75-9	752554-76-0
752554-77-1	752554-78-2	752554-79-3	752554-80-6	752554-81-7
752554-82-8	752554-83-9	752554-84-0	752554-85-1	752554-86-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752554-87-3	752554-88-4	752554-89-5	752554-90-8	752554-91-9
	752554-92-0	752554-93-1	752554-94-2	752554-95-3	752554-96-4
	752554-97-5	752554-98-6	752554-99-7	752555-00-3	752555-01-4
	752555-02-5	752555-03-6	752555-04-7	752555-05-8	752555-06-9
	752555-07-0	752555-08-1	752555-09-2	752555-10-5	752555-11-6
	752555-12-7	752555-13-8	752555-14-9	752555-15-0	752555-16-1
	752555-17-2	752555-18-3	752555-19-4	752555-20-7	752555-21-8
	752555-22-9	752555-23-0	752555-24-1	752555-25-2	752555-26-3
	752555-27-4	752555-28-5	752555-29-6	752555-30-9	752555-31-0
	752555-32-1	752555-33-2	752555-34-3	752555-35-4	752555-36-5
	752555-37-6	752555-38-7	752555-39-8	752555-40-1	752555-41-2
	752555-42-3	752555-43-4	752555-44-5	752555-45-6	752555-46-7
	752555-47-8	752555-48-9	752555-49-0	752555-50-3	752555-51-4
	752555-52-5	752555-53-6	752555-54-7	752555-55-8	752555-56-9
	752555-57-0	752555-58-1	752555-59-2	752555-60-5	752555-61-6
	752555-62-7	752555-63-8	752555-64-9	752555-65-0	752555-66-1
	752555-67-2	752555-68-3	752555-69-4	752555-70-7	752555-71-8
	752555-72-9	752555-73-0	752555-74-1	752555-75-2	752555-76-3
	752555-77-4	752555-78-5	752555-79-6	752555-80-9	752555-81-0

752555-82-1	752555-83-2	752555-84-3	752555-85-4	752555-86-5
752555-87-6	752555-88-7	752555-89-8	752555-90-1	752555-91-2
752555-92-3	752555-93-4	752555-94-5	752555-95-6	752555-96-7
752555-97-8	752555-98-9	752555-99-0	752556-00-6	752556-01-7
752556-02-8	752556-03-9	752556-04-0	752556-05-1	752556-06-2
752556-07-3	752556-08-4	752556-09-5	752556-10-8	752556-11-9
752556-12-0	752556-13-1	752556-14-2	752556-15-3	752556-16-4
752556-17-5	752556-18-6	752556-19-7	752556-20-0	752556-21-1
752556-22-2	752556-23-3	752556-24-4	752556-25-5	752556-26-6
752556-27-7	752556-28-8	752556-29-9	752556-30-2	752556-31-3
752556-32-4	752556-33-5	752556-34-6	752556-35-7	752556-36-8
752556-37-9	752556-38-0	752556-39-1	752556-40-4	752556-41-5
752556-42-6	752556-43-7	752556-44-8	752556-45-9	752556-46-0
752556-47-1	752556-48-2	752556-49-3	752556-50-6	752556-51-7
752556-52-8	752556-53-9	752556-54-0	752556-55-1	752556-56-2
752556-57-3	752556-58-4	752556-59-5	752556-60-8	752556-61-9
752556-62-0	752556-63-1	752556-64-2	752556-65-3	752556-66-4
752556-67-5	752556-68-6	752556-69-7	752556-70-0	752556-71-1
752556-72-2	752556-73-3	752556-74-4	752556-75-5	752556-76-6
752556-77-7	752556-78-8	752556-79-9	752556-80-2	752556-81-3
752556-82-4	752556-83-5	752556-84-6	752556-85-7	752556-86-8
752556-87-9	752556-88-0	752556-89-1	752556-90-4	752556-91-5
752556-92-6	752556-93-7	752556-94-8	752556-95-9	752556-96-0
752556-97-1	752556-98-2	752556-99-3	752557-00-9	752557-01-0
752557-02-1	752557-03-2	752557-04-3	752557-05-4	752557-06-5
752557-07-6	752557-08-7	752557-09-8	752557-10-1	752557-11-2
752557-12-3	752557-13-4	752557-14-5	752557-15-6	752557-16-7
752557-17-8	752557-18-9	752557-19-0	752557-20-3	752557-21-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752557-22-5	752557-23-6	752557-24-7	752557-25-8	752557-26-9
	752557-27-0	752557-28-1	752557-29-2	752557-30-5	752557-31-6
	752557-32-7	752557-33-8	752557-34-9	752557-35-0	752557-36-1
	752557-37-2	752557-38-3	752557-39-4	752557-40-7	752557-41-8
	752557-42-9	752557-43-0	752557-44-1	752557-45-2	752557-46-3
	752557-47-4	752557-48-5	752557-49-6	752557-50-9	752557-51-0
	752557-52-1	752557-53-2	752557-54-3	752557-55-4	752557-56-5
	752557-57-6	752557-58-7	752557-59-8	752557-60-1	752557-61-2
	752557-62-3	752557-63-4	752557-64-5	752557-65-6	752557-66-7
	752557-67-8	752557-68-9	752557-69-0	752557-70-3	752557-71-4
	752557-72-5	752557-73-6	752557-74-7	752557-75-8	752557-76-9
	752557-77-0	752557-78-1	752557-79-2	752557-80-5	752557-81-6
	752557-82-7	752557-83-8	752557-84-9	752557-85-0	752557-86-1
	752557-87-2	752557-88-3	752557-89-4	752557-90-7	752557-91-8
	752557-92-9	752557-93-0	752557-94-1	752557-95-2	752557-96-3
	752557-97-4	752557-98-5	752557-99-6	752558-00-2	752558-01-3
	752558-02-4	752558-03-5	752558-04-6	752558-05-7	752558-06-8
	752558-07-9	752558-08-0	752558-09-1	752558-10-4	752558-11-5
	752558-12-6	752558-13-7	752558-14-8	752558-15-9	752558-16-0
	752558-17-1	752558-18-2	752558-19-3	752558-20-6	752558-21-7
	752558-22-8	752558-23-9	752558-24-0	752558-25-1	752558-26-2
	752558-27-3	752558-28-4	752558-29-5	752558-30-8	752558-31-9
	752558-32-0	752558-33-1	752558-34-2	752558-35-3	752558-36-4
	752558-37-5	752558-38-6	752558-39-7	752558-40-0	752558-41-1
	752558-42-2	752558-43-3	752558-44-4	752558-45-5	752558-46-6
	752558-47-7	752558-48-8	752558-49-9	752558-50-2	752558-51-3
	752558-52-4	752558-53-5	752558-54-6	752558-55-7	752558-56-8
	752558-57-9	752558-58-0	752558-59-1	752558-60-4	752558-61-5
	752558-62-6	752558-63-7	752558-64-8	752558-65-9	752558-66-0
	752558-67-1	752558-68-2	752558-69-3	752558-70-6	752558-71-7
	752558-72-8	752558-73-9	752558-74-0	752558-75-1	752558-76-2
	752558-77-3	752558-78-4	752558-79-5	752558-80-8	752558-81-9
	752558-82-0	752558-83-1	752558-84-2	752558-85-3	752558-86-4
	752558-87-5	752558-88-6	752558-89-7	752558-90-0	752558-91-1

752558-92-2	752558-93-3	752558-94-4	752558-95-5	752558-96-6
752558-97-7	752558-98-8	752558-99-9	752559-00-5	752559-01-6
752559-02-7	752559-03-8	752559-04-9	752559-05-0	752559-06-1
752559-07-2	752559-08-3	752559-09-4	752559-10-7	752559-11-8
752559-12-9	752559-13-0	752559-14-1	752559-15-2	752559-16-3
752559-17-4	752559-18-5	752559-19-6	752559-20-9	752559-21-0
752559-22-1	752559-23-2	752559-24-3	752559-25-4	752559-26-5
752559-27-6	752559-28-7	752559-29-8	752559-30-1	752559-31-2
752559-32-3	752559-33-4	752559-34-5	752559-35-6	752559-36-7
752559-37-8	752559-38-9	752559-39-0	752559-40-3	752559-41-4
752559-42-5	752559-43-6	752559-44-7	752559-45-8	752559-46-9
752559-47-0	752559-48-1	752559-49-2	752559-50-5	752559-51-6
752559-52-7	752559-53-8	752559-54-9	752559-55-0	752559-56-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752559-57-2	752559-58-3	752559-59-4	752559-60-7	752559-61-8
	752559-62-9	752559-63-0	752559-64-1	752559-65-2	752559-66-3
	752559-67-4	752559-68-5	752559-69-6	752559-70-9	752559-71-0
	752559-72-1	752559-73-2	752559-74-3	752559-75-4	752559-76-5
	752559-77-6	752559-78-7	752559-79-8	752559-80-1	752559-81-2
	752559-82-3	752559-83-4	752559-84-5	752559-85-6	752559-86-7
	752559-87-8	752559-88-9	752559-89-0	752559-90-3	752559-91-4
	752559-92-5	752559-93-6	752559-94-7	752559-95-8	752559-96-9
	752559-97-0	752559-98-1	752559-99-2	752560-00-2	752560-01-3
	752560-02-4	752560-03-5	752560-04-6	752560-05-7	752560-06-8
	752560-07-9	752560-08-0	752560-09-1	752560-10-4	752560-11-5
	752560-12-6	752560-13-7	752560-14-8	752560-15-9	752560-16-0
	752560-17-1	752560-18-2	752560-19-3	752560-20-6	752560-21-7
	752560-22-8	752560-23-9	752560-24-0	752560-25-1	752560-26-2
	752560-27-3	752560-28-4	752560-29-5	752560-30-8	752560-31-9
	752560-32-0	752560-33-1	752560-34-2	752560-35-3	752560-36-4
	752560-37-5	752560-38-6	752560-39-7	752560-40-0	752560-41-1
	752560-42-2	752560-43-3	752560-44-4	752560-45-5	752560-46-6
	752560-47-7	752560-48-8	752560-49-9	752560-50-2	752560-51-3
	752560-52-4	752560-53-5	752560-54-6	752560-55-7	752560-56-8
	752560-57-9	752560-58-0	752560-59-1	752560-60-4	752560-61-5
	752560-62-6	752560-63-7	752560-64-8	752560-65-9	752560-66-0
	752560-67-1	752560-68-2	752560-69-3	752560-70-6	752560-71-7
	752560-72-8	752560-73-9	752560-74-0	752560-75-1	752560-76-2
	752560-77-3	752560-78-4	752560-79-5	752560-80-8	752560-81-9
	752560-82-0	752560-83-1	752560-84-2	752560-85-3	752560-86-4
	752560-87-5	752560-88-6	752560-89-7	752560-90-0	752560-91-1
	752560-92-2	752560-93-3	752560-94-4	752560-95-5	752560-96-6
	752560-97-7	752560-98-8	752560-99-9	752561-00-5	752561-01-6
	752561-02-7	752561-03-8	752561-04-9	752561-05-0	752561-06-1
	752561-07-2	752561-08-3	752561-09-4	752561-10-7	752561-11-8
	752561-12-9	752561-13-0	752561-14-1	752561-15-2	752561-16-3
	752561-17-4	752561-18-5	752561-19-6	752561-20-9	752561-21-0
	752561-22-1	752561-23-2	752561-24-3	752561-25-4	752561-26-5
	752561-27-6	752561-28-7	752561-29-8	752561-30-1	752561-31-2
	752561-32-3	752561-33-4	752561-34-5	752561-35-6	752561-36-7
	752561-37-8	752561-38-9	752561-39-0	752561-40-3	752561-41-4
	752561-42-5	752561-43-6	752561-44-7	752561-45-8	752561-46-9
	752561-47-0	752561-48-1	752561-49-2	752561-50-5	752561-51-6
	752561-52-7	752561-53-8	752561-54-9	752561-55-0	752561-56-1
	752561-57-2	752561-58-3	752561-59-4	752561-60-7	752561-61-8
	752561-62-9	752561-63-0	752561-64-1	752561-65-2	752561-66-3
	752561-67-4	752561-68-5	752561-69-6	752561-70-9	752561-71-0
	752561-72-1	752561-73-2	752561-74-3	752561-75-4	752561-76-5
	752561-77-6	752561-78-7	752561-79-8	752561-80-1	752561-81-2
	752561-82-3	752561-83-4	752561-84-5	752561-85-6	752561-86-7
	752561-87-8	752561-88-9	752561-89-0	752561-90-3	752561-91-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)					
IT	752561-92-5	752561-93-6	752561-94-7	752561-95-8	752561-96-9
	752561-97-0	752561-98-1	752561-99-2	752562-00-8	752562-01-9
	752562-02-0	752562-03-1	752562-04-2	752562-05-3	752562-06-4
	752562-07-5	752562-08-6	752562-09-7	752562-10-0	752562-11-1
	752562-12-2	752562-13-3	752562-14-4	752562-15-5	752562-16-6
	752562-17-7	752562-18-8	752562-19-9	752562-20-2	752562-21-3
	752562-22-4	752562-23-5	752562-24-6	752562-25-7	752562-26-8
	752562-27-9	752562-28-0	752562-29-1	752562-30-4	752562-31-5
	752562-32-6	752562-33-7	752562-34-8	752562-35-9	752562-36-0
	752562-37-1	752562-38-2	752562-39-3	752562-40-6	752562-41-7
	752562-42-8	752562-43-9	752562-44-0	752562-45-1	752562-46-2
	752562-47-3	752562-48-4	752562-49-5	752562-50-8	752562-51-9
	752562-52-0	752562-53-1	752562-54-2	752562-55-3	752562-56-4
	752562-57-5	752562-58-6	752562-59-7	752562-60-0	752562-61-1
	752562-62-2	752562-63-3	752562-64-4	752562-65-5	752562-66-6
	752562-67-7	752562-68-8	752562-69-9	752562-70-2	752562-71-3
	752562-72-4	752562-73-5	752562-74-6	752562-75-7	752562-76-8
	752562-77-9	752562-78-0	752562-79-1	752562-80-4	752562-81-5
	752562-82-6	752562-83-7	752562-84-8	752562-85-9	752562-86-0
	752562-87-1	752562-88-2	752562-89-3	752562-90-6	752562-91-7
	752562-92-8	752562-93-9	752562-94-0	752562-95-1	752562-96-2
	752562-97-3	752562-98-4	752562-99-5	752563-00-1	752563-01-2
	752563-02-3	752563-03-4	752563-04-5	752563-05-6	752563-06-7
	752563-07-8	752563-08-9	752563-09-0	752563-10-3	752563-11-4
	752563-12-5	752563-13-6	752563-14-7	752563-15-8	752563-16-9
	752563-17-0	752563-18-1	752563-19-2	752563-20-5	752563-21-6
	752563-22-7	752563-23-8	752563-24-9	752563-25-0	752563-26-1
	752563-27-2	752563-28-3	752563-29-4	752563-30-7	752563-31-8
	752563-32-9	752563-33-0	752563-34-1	752563-35-2	752563-36-3
	752563-37-4	752563-38-5	752563-39-6	752563-40-9	752563-41-0
	752563-42-1	752563-43-2	752563-44-3	752563-45-4	752563-46-5
	752563-47-6	752563-48-7	752563-49-8	752563-50-1	752563-51-2
	752563-52-3	752563-53-4	752563-54-5	752563-55-6	752563-56-7
	752563-57-8	752563-58-9	752563-59-0	752563-60-3	752563-61-4
	752563-62-5	752563-63-6	752563-64-7	752563-65-8	752563-66-9
	752563-67-0	752563-68-1	752563-69-2	752563-70-5	752563-71-6
	752563-72-7	752563-73-8	752563-74-9	752563-75-0	752563-76-1
	752563-77-2	752563-78-3	752563-79-4	752563-80-7	752563-81-8
	752563-82-9	752563-83-0	752563-84-1	752563-85-2	752563-86-3
	752563-87-4	752563-88-5	752563-89-6	752563-90-9	752563-91-0
	752563-92-1	752563-93-2	752563-94-3	752563-95-4	752563-96-5
	752563-97-6	752563-98-7	752563-99-8	752564-00-4	752564-01-5
	752564-02-6	752564-03-7	752564-04-8	752564-05-9	752564-06-0
	752564-07-1	752564-08-2	752564-09-3	752564-10-6	752564-11-7
	752564-12-8	752564-13-9	752564-14-0	752564-15-1	752564-16-2
	752564-17-3	752564-18-4	752564-19-5	752564-20-8	752564-21-9
	752564-22-0	752564-23-1	752564-24-2	752564-25-3	752564-26-4
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)					
(amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)					
IT	752564-27-5	752564-28-6	752564-29-7	752564-30-0	752564-31-1
	752564-32-2	752564-33-3	752564-34-4	752564-35-5	752564-36-6
	752564-37-7	752564-38-8	752564-39-9	752564-40-2	752564-41-3
	752564-42-4	752564-43-5	752564-44-6	752564-45-7	752564-46-8
	752564-47-9	752564-48-0	752564-49-1	752564-50-4	752564-51-5
	752564-52-6	752564-53-7	752564-54-8	752564-55-9	752564-56-0
	752564-57-1	752564-58-2	752564-59-3	752564-60-6	752564-61-7
	752564-62-8	752564-63-9	752564-64-0	752564-65-1	752564-66-2
	752564-67-3	752564-68-4	752564-69-5	752564-70-8	752564-71-9
	752564-72-0	752564-73-1	752564-74-2	752564-75-3	752564-76-4
	752564-77-5	752564-78-6	752564-79-7	752564-80-0	752564-81-1
	752564-82-2	752564-83-3	752564-84-4	752564-85-5	752564-86-6
	752564-87-7	752564-88-8	752564-89-9	752564-90-2	752564-91-3

752564-92-4	752564-93-5	752564-94-6	752564-95-7	752564-96-8
752564-97-9	752564-98-0	752564-99-1	752565-00-7	752565-01-8
752565-02-9	752565-03-0	752565-04-1	752565-05-2	752565-06-3
752565-07-4	752565-08-5	752565-09-6	752565-10-9	752565-11-0
752565-12-1	752565-13-2	752565-14-3	752565-15-4	752565-16-5
752565-17-6	752565-18-7	752565-19-8	752565-20-1	752565-21-2
752565-22-3	752565-23-4	752565-24-5	752565-25-6	752565-26-7
752565-27-8	752565-28-9	752565-29-0	752565-30-3	752565-31-4
752565-32-5	752565-33-6	752565-34-7	752565-35-8	752565-36-9
752565-37-0	752565-38-1	752565-39-2	752565-40-5	752565-41-6
752565-42-7	752565-43-8	752565-44-9	752565-45-0	752565-46-1
752565-47-2	752565-48-3	752565-49-4	752565-50-7	752565-51-8
752565-52-9	752565-53-0	752565-54-1	752565-55-2	752565-56-3
752565-57-4	752565-58-5	752565-59-6	752565-60-9	752565-61-0
752565-62-1	752565-63-2	752565-64-3	752565-65-4	752565-66-5
752565-67-6	752565-68-7	752565-69-8	752565-70-1	752565-71-2
752565-72-3	752565-73-4	752565-74-5	752565-75-6	752565-76-7
752565-77-8	752565-78-9	752565-79-0	752565-80-3	752565-81-4
752565-82-5	752565-83-6	752565-84-7	752565-85-8	752565-86-9
752565-87-0	752565-88-1	752565-89-2	752565-90-5	752565-91-6
752565-92-7	752565-93-8	752565-94-9	752565-95-0	752565-96-1
752565-97-2	752565-98-3	752565-99-4	752566-00-0	752566-01-1
752566-02-2	752566-03-3	752566-04-4	752566-05-5	752566-06-6
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752566-12-4	752566-13-5	752566-14-6	752566-15-7	752566-16-8
752566-17-9	752566-18-0	752566-19-1	752566-20-4	752566-21-5
752566-22-6	752566-23-7	752566-24-8	752566-25-9	752566-26-0
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752566-32-8	752566-33-9	752566-34-0	752566-35-1	752566-36-2
752566-37-3	752566-38-4	752566-39-5	752566-40-8	752566-41-9
752566-42-0	752566-43-1	752566-44-2	752566-45-3	752566-46-4
752566-47-5	752566-48-6	752566-49-7	752566-50-0	752566-51-1
752566-52-2	752566-53-3	752566-54-4	752566-55-5	752566-56-6
752566-57-7	752566-58-8	752566-59-9	752566-60-2	752566-61-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIL (Biological study); USES (Uses)  
 (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752566-62-4	752566-63-5	752566-64-6	752566-65-7	752566-66-8
	752566-67-9	752566-68-0	752566-69-1	752566-70-4	752566-71-5
	752566-72-6	752566-73-7	752566-74-8	752566-75-9	752566-76-0
	752566-77-1	752566-78-2	752566-79-3	752566-80-6	752566-81-7
	752566-82-8	752566-83-9	752566-84-0	752566-85-1	752566-86-2
	752566-87-3	752566-88-4	752566-89-5	752566-90-8	752566-91-9
	752566-92-0	752566-93-1	752566-94-2	752566-95-3	752566-96-4
	752566-97-5	752566-98-6	752566-99-7	752567-00-3	752567-01-4
	752567-02-5	752567-03-6	752567-04-7	752567-05-8	752567-06-9
	752567-07-0	752567-08-1	752567-09-2	752567-10-5	752567-11-6
	752567-12-7	752567-13-8	752567-14-9	752567-15-0	752567-16-1
	752567-17-2	752567-18-3	752567-19-4	752567-20-7	752567-21-8
	752567-22-9	752567-23-0	752567-24-1	752567-25-2	752567-26-3
	752567-27-4	752567-28-5	752567-29-6	752567-30-9	752567-31-0
	752567-32-1	752567-33-2	752567-34-3	752567-35-4	752567-36-5
	752567-37-6	752567-38-7	752567-39-8	752567-40-1	752567-41-2
	752567-42-3	752567-43-4	752567-44-5	752567-45-6	752567-46-7
	752567-47-8	752567-48-9	752567-49-0	752567-50-3	752567-51-4
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	752567-57-0	752567-58-1	752567-59-2	752567-60-5	752567-61-6
	752567-62-7	752567-63-8	752567-64-9	752567-65-0	752567-66-1
	752567-67-2	752567-68-3	752567-69-4	752567-70-7	752567-71-8
	752567-72-9	752567-73-0	752567-74-1	752567-75-2	752567-76-3
	752567-77-4	752567-78-5	752567-79-6	752567-80-9	752567-81-0
	752567-82-1	752567-83-2	752567-84-3	752567-85-4	752567-86-5
	752567-87-6	752567-88-7	752567-89-8	752567-90-1	752567-91-2
	752567-92-3	752567-93-4	752567-94-5	752567-95-6	752567-96-7
	752567-97-8	752567-98-9	752567-99-0	752568-00-6	752568-01-7

752568-02-8 752568-03-9 752568-04-0  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 9005-53-2P, Lignin, preparation 11078-30-1P, Galactomannan  
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation) (improved production of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT 752518-08-4 752518-09-5 752518-10-8 752518-11-9 752518-12-0  
 752518-13-1 752518-14-2 752518-15-3 752518-16-4 752518-17-5  
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 752518-28-8 752518-29-9 752518-30-2 752518-31-3 752518-32-4  
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 752518-43-7 752518-44-8 752518-45-9 752518-46-0 752518-47-1  
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 752518-53-9 752518-54-0 752518-55-1 752518-56-2 752518-57-3  
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 752518-68-6 752518-69-7 752518-70-0 752518-71-1 752518-72-2  
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 752518-78-8 752518-79-9 752518-80-2 752518-81-3 752518-82-4  
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 752518-98-2 752518-99-3 752519-00-9 752519-01-0 752519-02-1  
 752519-03-2 752519-04-3 752519-05-4 752519-06-5 752519-07-6  
 752519-08-7 752519-09-8 752519-10-1 752519-11-2 752519-12-3  
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 752519-48-5 752519-49-6 752519-50-9 752519-51-0 752519-52-1  
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 752519-58-7 752519-59-8 752519-60-1 752519-61-2 752519-62-3  
 752519-63-4 752519-64-5 752519-65-6 752519-66-7 752519-67-8  
 752519-68-9 752519-69-0 752519-70-3 752519-71-4 752519-72-5  
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 752519-78-1 752519-79-2 752519-80-5 752519-81-6 752519-82-7  
 752519-83-8 752519-84-9 752519-85-0 752519-86-1 752519-87-2  
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 752519-93-0 752519-94-1 752519-95-2 752519-96-3 752519-97-4  
 752519-98-5 752519-99-6 752520-00-6 752520-01-7 752520-02-8  
 752520-03-9 752520-04-0 752520-05-1 752520-06-2 752520-07-3  
 752520-08-4 752520-09-5 752520-10-8 752520-11-9 752520-12-0  
 752520-13-1 752520-14-2 752520-15-3 752520-16-4 752520-17-5  
 752520-18-6 752520-19-7 752520-20-0 752520-21-1 752520-22-2  
 752520-23-3 752520-24-4 752520-25-5 752520-26-6 752520-27-7  
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 752520-33-5 752520-34-6 752520-35-7 752520-36-8 752520-37-9  
 752520-38-0 752520-39-1 752520-40-4 752520-41-5 752520-42-6  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752520-43-7	752520-44-8	752520-45-9	752520-46-0	752520-47-1
	752520-48-2	752520-49-3	752520-50-6	752520-51-7	752520-52-8
	752520-53-9	752520-54-0	752520-55-1	752520-56-2	752520-57-3
	752520-58-4	752520-59-5	752520-60-8	752520-61-9	752520-62-0
	752520-63-1	752520-64-2	752520-65-3	752520-66-4	752520-67-5
	752520-68-6	752520-69-7	752520-70-0	752520-71-1	752520-72-2
	752520-73-3	752520-74-4	752520-75-5	752520-76-6	752520-77-7
	752520-78-8	752520-79-9	752520-80-2	752520-81-3	752520-82-4
	752520-83-5	752520-84-6	752520-85-7	752520-86-8	752520-87-9
	752520-88-0	752520-89-1	752520-90-4	752520-91-5	752520-92-6
	752520-93-7	752520-94-8	752520-95-9	752520-96-0	752520-97-1
	752520-98-2	752520-99-3	752521-00-9	752521-01-0	752521-02-1
	752521-03-2	752521-04-3	752521-05-4	752521-06-5	752521-07-6
	752521-08-7	752521-09-8	752521-10-1	752521-11-2	752521-12-3
	752521-13-4	752521-14-5	752521-15-6	752521-16-7	752521-17-8
	752521-18-9	752521-19-0	752521-20-3	752521-21-4	752521-22-5
	752521-23-6	752521-24-7	752521-25-8	752521-26-9	752521-27-0
	752521-28-1	752521-29-2	752521-30-5	752521-31-6	752521-32-7
	752521-33-8	752521-34-9	752521-35-0	752521-36-1	752521-37-2
	752521-38-3	752521-39-4	752521-40-7	752521-41-8	752521-42-9
	752521-43-0	752521-44-1	752521-45-2	752521-46-3	752521-47-4
	752521-48-5	752521-49-6	752521-50-9	752521-51-0	752521-52-1
	752521-53-2	752521-54-3	752521-55-4	752521-56-5	752521-57-6
	752521-58-7	752521-59-8	752521-60-1	752521-61-2	752521-62-3
	752521-63-4	752521-64-5	752521-65-6	752521-66-7	752521-67-8
	752521-68-9	752521-69-0	752521-70-3	752521-71-4	752521-72-5
	752521-73-6	752521-74-7	752521-75-8	752521-76-9	752521-77-0
	752521-78-1	752521-79-2	752521-80-5	752521-81-6	752521-82-7
	752521-83-8	752521-84-9	752521-85-0	752521-86-1	752521-87-2
	752521-88-3	752521-89-4	752521-90-7	752521-91-8	752521-92-9
	752521-93-0	752521-94-1	752521-95-2	752521-96-3	752521-97-4
	752521-98-5	752521-99-6	752522-00-2	752522-01-3	752522-02-4
	752522-03-5	752522-04-6	752522-05-7	752522-06-8	752522-07-9
	752522-08-0	752522-09-1	752522-10-4	752522-11-5	752522-12-6
	752522-13-7	752522-14-8	752522-15-9	752522-16-0	752522-17-1
	752522-18-2	752522-19-3	752522-20-6	752522-21-7	752522-22-8
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	752522-33-1	752522-34-2	752522-35-3	752522-36-4	752522-37-5
	752522-38-6	752522-39-7	752522-40-0	752522-41-1	752522-42-2
	752522-43-3	752522-44-4	752522-45-5	752522-46-6	752522-47-7
	752522-48-8	752522-49-9	752522-50-2	752522-51-3	752522-52-4
	752522-53-5	752522-54-6	752522-55-7	752522-56-8	752522-57-9
	752522-58-0	752522-59-1	752522-60-4	752522-61-5	752522-62-6
	752522-63-7	752522-64-8	752522-65-9	752522-66-0	752522-67-1
	752522-68-2	752522-69-3	752522-70-6	752522-71-7	752522-72-8
	752522-73-9	752522-74-0	752522-75-1	752522-76-2	752522-77-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752522-78-4	752522-79-5	752522-80-8	752522-81-9	752522-82-0
	752522-83-1	752522-84-2	752522-85-3	752522-86-4	752522-87-5
	752522-88-6	752522-89-7	752522-90-0	752522-91-1	752522-92-2
	752522-93-3	752522-94-4	752522-95-5	752522-96-6	752522-97-7
	752522-98-8	752522-99-9	752523-00-5	752523-01-6	752523-02-7
	752523-03-8	752523-04-9	752523-05-0	752523-06-1	752523-07-2
	752523-08-3	752523-09-4	752523-10-7	752523-11-8	752523-12-9
	752523-13-0	752523-14-1	752523-15-2	752523-16-3	752523-17-4
	752523-18-5	752523-19-6	752523-20-9	752523-21-0	752523-22-1
	752523-23-2	752523-24-3	752523-25-4	752523-26-5	752523-27-6
	752523-28-7	752523-29-8	752523-30-1	752523-31-2	752523-32-3
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	752523-43-6	752523-44-7	752523-45-8	752523-46-9	752523-47-0
	752523-48-1	752523-49-2	752523-50-5	752523-51-6	752523-52-7

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752523-73-2	752523-74-3	752523-75-4	752523-76-5	752523-77-6
752523-78-7	752523-79-8	752523-80-1	752523-81-2	752523-82-3
752523-83-4	752523-84-5	752523-85-6	752523-86-7	752523-87-8
752523-88-9	752523-89-0	752523-90-3	752523-91-4	752523-92-5
752523-93-6	752523-94-7	752523-95-8	752523-96-9	752523-97-0
752523-98-1	752523-99-2	752524-00-8	752524-01-9	752524-02-0
752524-03-1	752524-04-2	752524-05-3	752524-06-4	752524-07-5
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752524-13-3	752524-14-4	752524-15-5	752524-16-6	752524-17-7
752524-18-8	752524-19-9	752524-20-2	752524-21-3	752524-22-4
752524-23-5	752524-24-6	752524-25-7	752524-26-8	752524-27-9
752524-28-0	752524-29-1	752524-30-4	752524-31-5	752524-32-6
752524-33-7	752524-34-8	752524-35-9	752524-36-0	752524-37-1
752524-38-2	752524-39-3	752524-40-6	752524-41-7	752524-42-8
752524-43-9	752524-44-0	752524-45-1	752524-46-2	752524-47-3
752524-48-4	752524-49-5	752524-50-8	752524-51-9	752524-52-0
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752524-58-6	752524-59-7	752524-60-0	752524-61-1	752524-62-2
752524-63-3	752524-64-4	752524-65-5	752524-66-6	752524-67-7
752524-68-8	752524-69-9	752524-70-2	752524-71-3	752524-72-4
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752524-78-0	752524-79-1	752524-80-4	752524-81-5	752524-82-6
752524-83-7	752524-84-8	752524-85-9	752524-86-0	752524-87-1
752524-88-2	752524-89-3	752524-90-6	752524-91-7	752524-92-8
752524-93-9	752524-94-0	752524-95-1	752524-96-2	752524-97-3
752524-98-4	752524-99-5	752525-00-1	752525-01-2	752525-02-3
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752525-08-9	752525-09-0	752525-10-3	752525-11-4	752525-12-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752525-13-6	752525-14-7	752525-15-8	752525-16-9	752525-17-0
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	752525-28-3	752525-29-4	752525-30-7	752525-31-8	752525-32-9
	752525-33-0	752525-34-1	752525-35-2	752525-36-3	752525-37-4
	752525-38-5	752525-39-6	752525-40-9	752525-41-0	752525-42-1
	752525-43-2	752525-44-3	752525-45-4	752525-46-5	752525-47-6
	752525-48-7	752525-49-8	752525-50-1	752525-51-2	752525-52-3
	752525-53-4	752525-54-5	752525-55-6	752525-56-7	752525-57-8
	752525-58-9	752525-59-0	752525-60-3	752525-61-4	752525-62-5
	752525-63-6	752525-64-7	752525-65-8	752525-66-9	752525-67-0
	752525-68-1	752525-69-2	752525-70-5	752525-71-6	752525-72-7
	752525-73-8	752525-74-9	752525-75-0	752525-76-1	752525-77-2
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	752526-18-4	752526-19-5	752526-20-8	752526-21-9	752526-22-0
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	752526-28-6	752526-29-7	752526-30-0	752526-31-1	752526-32-2
	752526-33-3	752526-34-4	752526-35-5	752526-36-6	752526-37-7
	752526-38-8	752526-39-9	752526-40-2	752526-41-3	752526-42-4
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	752526-53-7	752526-54-8	752526-55-9	752526-56-0	752526-57-1
	752526-58-2	752526-59-3	752526-60-6	752526-61-7	752526-62-8

752526-63-9	752526-64-0	752526-65-1	752526-66-2	752526-67-3
752526-68-4	752526-69-5	752526-70-8	752526-71-9	752526-72-0
752526-73-1	752526-74-2	752526-75-3	752526-76-4	752526-77-5
752526-78-6	752526-79-7	752526-80-0	752526-81-1	752526-82-2
752526-83-3	752526-84-4	752526-85-5	752526-86-6	752526-87-7
752526-88-8	752526-89-9	752526-90-2	752526-91-3	752526-92-4
752526-93-5	752526-94-6	752526-95-7	752526-96-8	752526-97-9
752526-98-0	752526-99-1	752527-00-7	752527-01-8	752527-02-9
752527-03-0	752527-04-1	752527-05-2	752527-06-3	752527-07-4
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752527-18-7	752527-19-8	752527-20-1	752527-21-2	752527-22-3
752527-23-4	752527-24-5	752527-25-6	752527-26-7	752527-27-8
752527-28-9	752527-29-0	752527-30-3	752527-31-4	752527-32-5
752527-33-6	752527-34-7	752527-35-8	752527-36-9	752527-37-0
752527-38-1	752527-39-2	752527-40-5	752527-41-6	752527-42-7
752527-43-8	752527-44-9	752527-45-0	752527-46-1	752527-47-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

IT	752527-48-3	752527-49-4	752527-50-7	752527-51-8	752527-52-9
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	752527-58-5	752527-59-6	752527-60-9	752527-61-0	752527-62-1
	752527-63-2	752527-64-3	752527-65-4	752527-66-5	752527-67-6
	752527-68-7	752527-69-8	752527-70-1	752527-71-2	752527-72-3
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	752527-83-6	752527-84-7	752527-85-8	752527-86-9	752527-87-0
	752527-88-1	752527-89-2	752527-90-5	752527-91-6	752527-92-7
	752527-93-8	752527-94-9	752527-95-0	752527-96-1	752527-97-2
	752527-98-3	752527-99-4	752528-00-0	752528-01-1	752528-02-2
	752528-03-3	752528-04-4	752528-05-5	752528-06-6	752528-07-7
	752528-08-8	752528-09-9	752528-10-2	752528-11-3	752528-12-4
	752528-13-5	752528-14-6	752528-15-7	752528-16-8	752528-17-9
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	752528-38-4	752528-39-5	752528-40-8	752528-41-9	752528-42-0
	752528-43-1	752528-44-2	752528-45-3	752528-46-4	752528-47-5
	752528-48-6	752528-49-7	752528-50-0	752528-51-1	752528-52-2
	752528-53-3	752528-54-4	752528-55-5	752528-56-6	752528-57-7
	752528-58-8	752528-59-9	752528-60-2	752528-61-3	752528-62-4
	752528-63-5	752528-64-6	752528-65-7	752528-66-8	752528-67-9
	752528-68-0	752528-69-1	752528-70-4	752528-71-5	752528-72-6
	752528-73-7	752528-74-8	752528-75-9	752528-76-0	752528-77-1
	752528-78-2	752528-79-3	752528-80-6	752528-81-7	752528-82-8
	752528-83-9	752528-84-0	752528-85-1	752528-86-2	752528-87-3
	752528-88-4	752528-89-5	752528-90-8	752528-91-9	752528-92-0
	752528-93-1	752528-94-2	752528-95-3	752528-96-4	752528-97-5
	752528-98-6	752528-99-7	752529-00-3	752529-01-4	752529-02-5
	752529-03-6	752529-04-7	752529-05-8	752529-06-9	752529-07-0
	752529-08-1	752529-09-2	752529-10-5	752529-11-6	752529-12-7
	752529-13-8	752529-14-9	752529-15-0	752529-16-1	752529-17-2
	752529-18-3	752529-19-4	752529-20-7	752529-21-8	752529-22-9
	752529-23-0	752529-24-1	752529-25-2	752529-26-3	752529-27-4
	752529-28-5	752529-29-6	752529-30-9	752529-31-0	752529-32-1
	752529-33-2	752529-34-3	752529-35-4	752529-36-5	752529-37-6
	752529-38-7	752529-39-8	752529-40-1	752529-41-2	752529-42-3
	752529-43-4	752529-44-5	752529-45-6	752529-46-7	752529-47-8
	752529-48-9	752529-49-0	752529-50-3	752529-51-4	752529-52-5
	752529-53-6	752529-54-7	752529-55-8	752529-56-9	752529-57-0
	752529-58-1	752529-59-2	752529-60-5	752529-61-6	752529-62-7
	752529-63-8	752529-64-9	752529-65-0	752529-66-1	752529-67-2
	752529-68-3	752529-69-4	752529-70-7	752529-71-8	752529-72-9

752529-73-0 752529-74-1 752529-75-2 752529-76-3 752529-77-4  
 752529-78-5 752529-79-6 752529-80-9 752529-81-0 752529-82-1  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	752529-83-2	752529-84-3	752529-85-4	752529-86-5	752529-87-6
	752529-88-7	752529-89-8	752529-90-1	752529-91-2	752529-92-3
	752529-93-4	752529-94-5	752529-95-6	752529-96-7	752529-97-8
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	752530-03-3	752530-04-4	752530-05-5	752530-06-6	752530-07-7
	752530-08-8	752530-09-9	752530-10-2	752530-11-3	752530-12-4
	752530-13-5	752530-14-6	752530-15-7	752530-16-8	752530-17-9
	752530-18-0	752530-19-1	752530-20-4	752530-21-5	752530-22-6
	752530-23-7	752530-24-8	752530-25-9	752530-26-0	752530-27-1
	752530-28-2	752530-29-3	752530-30-6	752530-31-7	752530-32-8
	752530-33-9	752530-34-0	752530-35-1	752530-36-2	752530-37-3
	752530-38-4	752530-39-5	752530-40-8	752530-41-9	752530-42-0
	752530-43-1	752530-44-2	752530-45-3	752530-46-4	752530-47-5
	752530-48-6	752530-49-7	752530-50-0	752530-51-1	752530-52-2
	752530-53-3	752530-54-4	752530-55-5	752530-56-6	752530-57-7
	752530-58-8	752530-59-9	752530-60-2	752530-61-3	752530-62-4
	752530-63-5	752530-64-6	752530-65-7	752530-66-8	752530-67-9
	752530-68-0	752530-69-1	752530-70-4	752530-71-5	752530-72-6
	752530-73-7	752530-74-8	752530-75-9	752530-76-0	752530-77-1
	752530-78-2	752530-79-3	752530-80-6	752530-81-7	752530-82-8
	752530-83-9	752530-84-0	752530-85-1	752530-86-2	752530-87-3
	752530-88-4	752530-89-5	752530-90-8	752530-91-9	752530-92-0
	752530-93-1	752530-94-2	752530-95-3	752530-96-4	752530-97-5
	752530-98-6	752530-99-7	752531-00-3	752531-01-4	752531-02-5
	752531-03-6	752531-04-7	752531-05-8	752531-06-9	752531-07-0
	752531-08-1	752531-09-2	752531-10-5	752531-11-6	752531-12-7
	752531-13-8	752531-14-9	752531-15-0	752531-16-1	752531-17-2
	752531-18-3	752531-19-4	752531-20-7	752531-21-8	752531-22-9
	752531-23-0	752531-24-1	752531-25-2	752531-26-3	752531-27-4
	752531-28-5	752531-29-6	752531-30-9	752531-31-0	752531-32-1
	752531-33-2	752531-34-3	752531-35-4	752531-36-5	752531-37-6
	752531-38-7	752531-39-8	752531-40-1	752531-41-2	752531-42-3
	752531-43-4	752531-44-5	752531-45-6	752531-46-7	752531-47-8
	752531-48-9	752531-49-0	752531-50-3	752531-51-4	752531-52-5
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	752531-58-1	752531-59-2	752531-60-5	752531-61-6	752531-62-7
	752531-63-8	752531-64-9	752531-65-0	752531-66-1	752531-67-2
	752531-68-3	752531-69-4	752531-70-7	752531-71-8	752531-72-9
	752531-73-0	752531-74-1	752531-75-2	752531-76-3	752531-77-4
	752531-78-5	752531-79-6	752531-80-9	752531-81-0	752531-82-1
	752531-83-2	752531-84-3	752531-85-4	752531-86-5	752531-87-6
	752531-88-7	752531-89-8	752531-90-1	752531-91-2	752531-92-3
	752531-93-4	752531-94-5	752531-95-6	752531-96-7	752531-97-8
	752531-98-9	752531-99-0	752532-00-6	752532-01-7	752532-02-8
	752532-03-9	752532-04-0	752532-05-1	752532-06-2	752532-07-3
	752532-08-4	752532-09-5	752532-10-8	752532-11-9	752532-12-0
	752532-13-1	752532-14-2	752532-15-3	752532-16-4	752532-17-5

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (nucleotide sequence; sorghum nucleic acids and encoded proteins and  
 their uses improvement of transgenic plants)

IT	752532-18-6	752532-19-7	752532-20-0	752532-21-1	752532-22-2
	752532-23-3	752532-24-4	752532-25-5	752532-26-6	752532-27-7
	752532-28-8	752532-29-9	752532-30-2	752532-31-3	752532-32-4
	752532-33-5	752532-34-6	752532-35-7	752532-36-8	752532-37-9
	752532-38-0	752532-39-1	752532-40-4	752532-41-5	752532-42-6
	752532-43-7	752532-44-8	752532-45-9	752532-46-0	752532-47-1
	752532-48-2	752532-49-3	752532-50-6	752532-51-7	752532-52-8
	752532-53-9	752532-54-0	752532-55-1	752532-56-2	752532-57-3
	752532-58-4	752532-59-5	752532-60-8	752532-61-9	752532-62-0

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752532-68-6	752532-69-7	752532-70-0	752532-71-1	752532-72-2
752532-73-3	752532-74-4	752532-75-5	752532-76-6	752532-77-7
752532-78-8	752532-79-9	752532-80-2	752532-81-3	752532-82-4
752532-83-5	752532-84-6	752532-85-7	752532-86-8	752532-87-9
752532-88-0	752532-89-1	752532-90-4	752532-91-5	752532-92-6
752532-93-7	752532-94-8	752532-95-9	752532-96-0	752532-97-1
752532-98-2	752532-99-3	752533-00-9	752533-01-0	752533-02-1
752533-03-2	752533-04-3	752533-05-4	752533-06-5	752533-07-6
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

## IT 752544-10-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; sorghum nucleic acids and encoded proteins and their uses improvement of transgenic plants)

RN 752544-10-8 HCAPLUS

CN Protein (sorghum clone SORBI-28MAY03-C14271\_1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 FHEELLEHIS GMSVEDTREC TLTQVKSIYK AINNSSSRLL HLNSNALASK  
51 MVQICLSTYC KHLMLHLVCL KFCFCILYQQ WFKSLT

L12 ANSWER 13 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:759727 HCAPLUS

DN 141:255535

ED Entered STN: 17 Sep 2004

TI Protein and cDNA sequences of an novel human secretory protein Zsig43

IN Sheppard, Paul O.; Lok, Si

PA USA

SO U.S. Pat. Appl. Publ., 38 pp., Cont. of U.S. Ser. No. 440,484, abandoned.  
CODEN: USXXCO

DT Patent

LA English

IC ICM C07K014-705

ICS C07H021-04; C07K016-28

INCL 435069100; 435320100; 435325000; 530350000; 530388220; 536023500

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 13

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004180398	A1	20040916	US 2001-33388	20011024 <--
PRAI	US 1998-109915P	P	19981123	<--	
	US 1999-440484	B1	19991115	<--	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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US 2004180398   ICM   C07K014-705
                  ICS   C07H021-04; C07K016-28
                  INCL  435069100; 435320100; 435325000; 530350000; 530388220;
                        536023500
US 2004180398   NCL   435/069.100
                  ECLA  C07K014/705
AB  Receptors perform many functions that are essential for the metabolism and
    differentiation of cells. As such, this class of proteins often provides
    targets for therapeutically useful drugs. The present invention provides
    a new human membrane-associated polypeptide, designated "Zsig43.".
ST  protein sequence human secretory zsig43
IT  Gene, animal
    RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
        (Biological study)
        (Zsig43; protein and cDNA sequences of novel human secretory protein
        Zsig43)
IT  Eubacteria
    Fungi
    Insecta
    Plant cell
    Yeast
        (as expression host; protein and cDNA sequences of novel human
        secretory protein Zsig43)
IT  Animal cell
        (mammalian, as expression host; protein and cDNA sequences of novel
        human secretory protein Zsig43)
IT  Proteins
    RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
    PRP (Properties); BIOL (Biological study); PREP (Preparation)
        (membrane, Zsig43; protein and cDNA sequences of novel human secretory
        protein Zsig43)
IT  Human
    Molecular cloning
    Protein sequences
    cDNA sequences
        (protein and cDNA sequences of novel human secretory protein Zsig43)
IT  Antibodies and Immunoglobulins
    RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (to Zsig43; protein and cDNA sequences of novel human secretory protein
        Zsig43)
IT  753038-80-1DP, Membrane protein Zsig43 (human), subfragments
    claimed
    RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
    PRP (Properties); BIOL (Biological study); PREP (Preparation)
        (amino acid sequence; protein and cDNA sequences of novel human
        secretory protein Zsig43)
IT  753038-79-8D, subfragments claimed 753038-84-5D, subfragments claimed
    RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
        (Biological study)
        (nucleotide sequence; protein and cDNA sequences of novel human
        secretory protein Zsig43)
IT  753038-85-6 753038-86-7
    RL: PRP (Properties)
        (unclaimed nucleotide sequence; protein and cDNA sequences of an novel
        human secretory protein Zsig43)
IT  753038-80-1DP, Membrane protein Zsig43 (human), subfragments
    claimed
    RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
    PRP (Properties); BIOL (Biological study); PREP (Preparation)
        (amino acid sequence; protein and cDNA sequences of novel human
        secretory protein Zsig43)
RN  753038-80-1 HCAPLUS
CN  Membrane protein Zsig43 (human) (9CI) (CA INDEX NAME)

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     101 GFLTNSVPWR VDKLPLYASV SLYLLPERPA TLILYEDLVH ILLGSPGARS
     151 QPLVQFQRRR ARLPVSSSTYS QLWASLTPAS TQQEMRAFPA FLGTEASSSG
     201 NGSWLELMPL TAVSVHLLTG NGTEVPLSGP IHLSPVPSE TRALTVGTSI
     251 PAWRFDPKSG LWVRNGTGVI RKEGRQLYWT FVSPQLGYWV AAMASPTAGL
     301 VTITSGIQDI GTYHTIFLLT ILAALALLVL ILLCLLIYYC RRRCLKPRQQ
     351 HRKLQLSGPS DGNKRDQATS MSQLHLICGG PLEPAPSGDP EAPPPGPLHS
     401 AFSSSRDLAS SRDDFFRTKP RSASRPAAEP SGARGGESAG LKGARSAEGP
     451 GGLEPGLEEH RRGPSGAAAF LHEPPSPPPP FDHYLGHKGA AEGKTPDFLL
     501 SQSVDQLARP PSLGQAGQLI FCGSIDHLKD NVYRNVMTPL VIPAHYVRLG
     551 GEAGAAGVGD EPAPPEGTAP GPARAFPQPD PQRPMMPGHS GPGGEGGGGG
     601 GEGWGAGRAA PVSGSVTIPV LFNSTMAQL NGELQALTEK KLELGVKPH
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     701 RPAREERERA PPAAPPPPPA PPRLALSED TEPSSSESRTG LCSPEDNSLT
     751 PLLDEVAAPG GRAATVPRGR GRSRGDSSRS SASELRRDSL TSPEDELGAE
     801 VGDEAGDKKS PWQRREERPL MVFNVK

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L12  ANSWER 14 OF 522 HCAPLUS  COPYRIGHT 2005 ACS on STN
AN    2004:663856 HCAPLUS
DN    141:186010
ED    Entered STN: 16 Aug 2004
TI    Rice nucleic acid molecules and encoded proteins and their uses for plant
      improvement
IN    La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei;
      Boukharov, Andrey A.; Barbazuk, Brad W.
PA    USA
SO    U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.
      CODEN: USXXCO
DT    Patent
LA    English
IC    A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04
INCL  800278000; 435069100; 435200000; 435201000; 435419000; 536023200
CC    3-3 (Biochemical Genetics)
      Section cross-reference(s): 6, 11
FAN.CNT 27

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
	INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
US 2004123343	NCL	800/278.000 <--
US 2004123343	NCL	800/278.000
	ECLA	C07K014/415 <--

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AB    The present invention provides 102,483 cDNA sequences and their encoded
      protein sequences from rice (Oryza sativa). Bioinformatic anal.
      identified putative functions and uses for the nucleic acids/polypeptides.
      The disclosed polynucleotides and polypeptides find use in production of
      transgenic plants to produce plants having improved properties. [This
      abstract record is one of forty-one records for this document necessitated
      by the large number of index entries required to fully index the document and
      publication system constraints.].

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ST    rice cDNA protein sequence plant transformation
IT    Stress, plant

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(cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Stress, plant  
(heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Recombination, genetic  
(homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Fats and Glyceridic oils, biological studies  
Growth regulators, plant  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Pathogen  
(improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Carbohydrates, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Stress, plant  
(osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Cell cycle  
Disease resistance, plant  
Growth and development, plant  
Herbicides  
Oryza sativa  
Photosynthesis, biological  
Protein sequences  
Transformation, genetic  
cDNA library  
cDNA sequences  
(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Transcription factors  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Proteins  
cDNA  
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Embryophyta  
(transgenic; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737409-06-2 737409-07-3 737409-08-4 737409-09-5 737409-10-8  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737411-41-5	737411-42-6	737411-43-7	737411-44-8	737411-45-9
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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737414-47-0	737414-48-1	737414-49-2	737414-50-5	737414-51-6
737414-52-7	737414-53-8	737414-54-9	737414-55-0	737414-56-1
737414-57-2	737414-58-3	737414-59-4	737414-60-7	737414-61-8
737414-62-9	737414-63-0	737414-64-1	737414-65-2	737414-66-3
737414-67-4	737414-68-5	737414-69-6	737414-70-9	737414-71-0
737414-72-1	737414-73-2	737414-74-3	737414-75-4	737414-76-5
737414-77-6	737414-78-7	737414-79-8	737414-80-1	737414-81-2
737414-82-3	737414-83-4	737414-84-5	737414-85-6	737414-86-7
737414-87-8	737414-88-9	737414-89-0	737414-90-3	737414-91-4
737414-92-5	737414-93-6	737414-94-7	737414-95-8	737414-96-9
737414-97-0	737414-98-1	737414-99-2	737415-00-8	737415-01-9
737415-02-0	737415-03-1	737415-04-2	737415-05-3	737415-06-4
737415-07-5	737415-08-6	737415-09-7	737415-10-0	737415-11-1
737415-12-2	737415-13-3	737415-14-4	737415-15-5	737415-16-6
737415-17-7	737415-18-8	737415-19-9	737415-20-2	737415-21-3
737415-22-4	737415-23-5	737415-24-6	737415-25-7	737415-26-8
737415-27-9	737415-28-0	737415-29-1	737415-30-4	737415-31-5
737415-32-6	737415-33-7	737415-34-8	737415-35-9	737415-36-0
737415-37-1	737415-38-2	737415-39-3	737415-40-6	737415-41-7
737415-42-8	737415-43-9	737415-44-0	737415-45-1	737415-46-2
737415-47-3	737415-48-4	737415-49-5	737415-50-8	737415-51-9
737415-52-0	737415-53-1	737415-54-2	737415-55-3	737415-56-4
737415-57-5	737415-58-6	737415-59-7	737415-60-0	737415-61-1
737415-62-2	737415-63-3	737415-64-4	737415-65-5	737415-66-6
737415-67-7	737415-68-8	737415-69-9	737415-70-2	737415-71-3
737415-72-4	737415-73-5	737415-74-6	737415-75-7	737415-76-8
737415-77-9	737415-78-0	737415-79-1	737415-80-4	737415-81-5
737415-82-6	737415-83-7	737415-84-8	737415-85-9	737415-86-0
737415-87-1	737415-88-2	737415-89-3	737415-90-6	737415-91-7
737415-92-8	737415-93-9	737415-94-0	737415-95-1	737415-96-2
737415-97-3	737415-98-4	737415-99-5	737416-00-1	737416-01-2
737416-02-3	737416-03-4	737416-04-5	737416-05-6	737416-06-7
737416-07-8	737416-08-9	737416-09-0	737416-10-3	737416-11-4
737416-12-5	737416-13-6	737416-14-7	737416-15-8	737416-16-9

RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737416-17-0	737416-18-1	737416-19-2	737416-20-5	737416-21-6
	737416-22-7	737416-23-8	737416-24-9	737416-25-0	737416-26-1
	737416-27-2	737416-28-3	737416-29-4	737416-30-7	737416-31-8
	737416-32-9	737416-33-0	737416-34-1	737416-35-2	737416-36-3
	737416-37-4	737416-38-5	737416-39-6	737416-40-9	737416-41-0
	737416-42-1	737416-43-2	737416-44-3	737416-45-4	737416-46-5
	737416-47-6	737416-48-7	737416-49-8	737416-50-1	737416-51-2
	737416-52-3	737416-53-4	737416-54-5	737416-55-6	737416-56-7
	737416-57-8	737416-58-9	737416-59-0	737416-60-3	737416-61-4
	737416-62-5	737416-63-6	737416-64-7	737416-65-8	737416-66-9
	737416-67-0	737416-68-1	737416-69-2	737416-70-5	737416-71-6
	737416-72-7	737416-73-8	737416-74-9	737416-75-0	737416-76-1
	737416-77-2	737416-78-3	737416-79-4	737416-80-7	737416-81-8
	737416-82-9	737416-83-0	737416-84-1	737416-85-2	737416-86-3
	737416-87-4	737416-88-5	737416-89-6	737416-90-9	737416-91-0
	737416-92-1	737416-93-2	737416-94-3	737416-95-4	737416-96-5
	737416-97-6	737416-98-7	737416-99-8	737417-00-4	737417-01-5
	737417-02-6	737417-03-7	737417-04-8	737417-05-9	737417-06-0
	737417-07-1	737417-08-2	737417-09-3	737417-10-6	737417-11-7
	737417-12-8	737417-13-9	737417-14-0	737417-15-1	737417-16-2
	737417-17-3	737417-18-4	737417-19-5	737417-20-8	737417-21-9
	737417-22-0	737417-23-1	737417-24-2	737417-25-3	737417-26-4
	737417-27-5	737417-28-6	737417-29-7	737417-30-0	737417-31-1
	737417-32-2	737417-33-3	737417-34-4	737417-35-5	737417-36-6
	737417-37-7	737417-38-8	737417-39-9	737417-40-2	737417-41-3
	737417-42-4	737417-43-5	737417-44-6	737417-45-7	737417-46-8
	737417-47-9	737417-48-0	737417-49-1	737417-50-4	737417-51-5
	737417-52-6	737417-53-7	737417-54-8	737417-55-9	737417-56-0
	737417-57-1	737417-58-2	737417-59-3	737417-60-6	737417-61-7
	737417-62-8	737417-63-9	737417-64-0	737417-65-1	737417-66-2
	737417-67-3	737417-68-4	737417-69-5	737417-70-8	737417-71-9
	737417-72-0	737417-73-1	737417-74-2	737417-75-3	737417-76-4
	737417-77-5	737417-78-6	737417-79-7	737417-80-0	737417-81-1
	737417-82-2	737417-83-3	737417-84-4	737417-85-5	737417-86-6
	737417-87-7	737417-88-8	737417-89-9	737417-90-2	737417-91-3
	737417-92-4	737417-93-5	737417-94-6	737417-95-7	737417-96-8
	737417-97-9	737417-98-0	737417-99-1	737418-00-7	737418-01-8
	737418-02-9	737418-03-0	737418-04-1	737418-05-2	737418-06-3
	737418-07-4	737418-08-5	737418-09-6	737418-10-9	737418-11-0
	737418-12-1	737418-13-2	737418-14-3	737418-15-4	737418-16-5
	737418-17-6	737418-18-7	737418-19-8	737418-20-1	737418-21-2
	737418-22-3	737418-23-4	737418-24-5	737418-25-6	737418-26-7
	737418-27-8	737418-28-9	737418-29-0	737418-30-3	737418-31-4
	737418-32-5	737418-33-6	737418-34-7	737418-35-8	737418-36-9
	737418-37-0	737418-38-1	737418-39-2	737418-40-5	737418-41-6
	737418-42-7	737418-43-8	737418-44-9	737418-45-0	737418-46-1
	737418-47-2	737418-48-3	737418-49-4	737418-50-7	737418-51-8

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737418-52-9	737418-53-0	737418-54-1	737418-55-2	737418-56-3
	737418-57-4	737418-58-5	737418-59-6	737418-60-9	737418-61-0
	737418-62-1	737418-63-2	737418-64-3	737418-65-4	737418-66-5
	737418-67-6	737418-68-7	737418-69-8	737418-70-1	737418-71-2
	737418-72-3	737418-73-4	737418-74-5	737418-75-6	737418-76-7
	737418-77-8	737418-78-9	737418-79-0	737418-80-3	737418-81-4
	737418-82-5	737418-83-6	737418-84-7	737418-85-8	737418-86-9
	737418-87-0	737418-88-1	737418-89-2	737418-90-5	737418-91-6
	737418-92-7	737418-93-8	737418-94-9	737418-95-0	737418-96-1
	737418-97-2	737418-98-3	737418-99-4	737419-00-0	737419-01-1
	737419-02-2	737419-03-3	737419-04-4	737419-05-5	737419-06-6
	737419-07-7	737419-08-8	737419-09-9	737419-10-2	737419-11-3

737419-12-4	737419-13-5	737419-14-6	737419-15-7	737419-16-8
737419-17-9	737419-18-0	737419-19-1	737419-20-4	737419-21-5
737419-22-6	737419-23-7	737419-24-8	737419-25-9	737419-26-0
737419-27-1	737419-28-2	737419-29-3	737419-30-6	737419-31-7
737419-32-8	737419-33-9	737419-34-0	737419-35-1	737419-36-2
737419-37-3	737419-38-4	737419-39-5	737419-40-8	737419-41-9
737419-42-0	737419-43-1	737419-44-2	737419-45-3	737419-46-4
737419-47-5	737419-48-6	737419-49-7	737419-50-0	737419-51-1
737419-52-2	737419-53-3	737419-54-4	737419-55-5	737419-56-6
737419-57-7	737419-58-8	737419-59-9	737419-60-2	737419-61-3
737419-62-4	737419-63-5	737419-64-6	737419-65-7	737419-66-8
737419-67-9	737419-68-0	737419-69-1	737419-70-4	737419-71-5
737419-72-6	737419-73-7	737419-74-8	737419-75-9	737419-76-0
737419-77-1	737419-78-2	737419-79-3	737419-80-6	737419-81-7
737419-82-8	737419-83-9	737419-84-0	737419-85-1	737419-86-2
737419-87-3	737419-88-4	737419-89-5	737419-90-8	737419-91-9
737419-92-0	737419-93-1	737419-94-2	737419-95-3	737419-96-4
737419-97-5	737419-98-6	737419-99-7	737420-00-7	737420-01-8
737420-02-9	737420-03-0	737420-04-1	737420-05-2	737420-06-3
737420-07-4	737420-08-5	737420-09-6	737420-10-9	737420-11-0
737420-12-1	737420-13-2	737420-14-3	737420-15-4	737420-16-5
737420-17-6	737420-18-7	737420-19-8	737420-20-1	737420-21-2
737420-22-3	737420-23-4	737420-24-5	737420-25-6	737420-26-7
737420-27-8	737420-28-9	737420-29-0	737420-30-3	737420-31-4
737420-32-5	737420-33-6	737420-34-7	737420-35-8	737420-36-9
737420-37-0	737420-38-1	737420-39-2	737420-40-5	737420-41-6
737420-42-7	737420-43-8	737420-44-9	737420-45-0	737420-46-1
737420-47-2	737420-48-3	737420-49-4	737420-50-7	737420-51-8
737420-52-9	737420-53-0	737420-54-1	737420-55-2	737420-56-3
737420-57-4	737420-58-5	737420-59-6	737420-60-9	737420-61-0
737420-62-1	737420-63-2	737420-64-3	737420-65-4	737420-66-5
737420-67-6	737420-68-7	737420-69-8	737420-70-1	737420-71-2
737420-72-3	737420-73-4	737420-74-5	737420-75-6	737420-76-7
737420-77-8	737420-78-9	737420-79-0	737420-80-3	737420-81-4
737420-82-5	737420-83-6	737420-84-7	737420-85-8	737420-86-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737420-87-0	737420-88-1	737420-89-2	737420-90-5	737420-91-6
	737420-92-7	737420-93-8	737420-94-9	737420-95-0	737420-96-1
	737420-97-2	737420-98-3	737420-99-4	737421-00-0	737421-01-1
	737421-02-2	737421-03-3	737421-04-4	737421-05-5	737421-06-6
	737421-07-7	737421-08-8	737421-09-9	737421-10-2	737421-11-3
	737421-12-4	737421-13-5	737421-14-6	737421-15-7	737421-16-8
	737421-17-9	737421-18-0	737421-19-1	737421-20-4	737421-21-5
	737421-22-6	737421-23-7	737421-24-8	737421-25-9	737421-26-0
	737421-27-1	737421-28-2	737421-29-3	737421-30-6	737421-31-7
	737421-32-8	737421-33-9	737421-34-0	737421-35-1	737421-36-2
	737421-37-3	737421-38-4	737421-39-5	737421-40-8	737421-41-9
	737421-42-0	737421-43-1	737421-44-2	737421-45-3	737421-46-4
	737421-47-5	737421-48-6	737421-49-7	737421-50-0	737421-51-1
	737421-52-2	737421-53-3	737421-54-4	737421-55-5	737421-56-6
	737421-57-7	737421-58-8	737421-59-9	737421-60-2	737421-61-3
	737421-62-4	737421-63-5	737421-64-6	737421-65-7	737421-66-8
	737421-67-9	737421-68-0	737421-69-1	737421-70-4	737421-71-5
	737421-72-6	737421-73-7	737421-74-8	737421-75-9	737421-76-0
	737421-77-1	737421-78-2	737421-79-3	737421-80-6	737421-81-7
	737421-82-8	737421-83-9	737421-84-0	737421-85-1	737421-86-2
	737421-87-3	737421-88-4	737421-89-5	737421-90-8	737421-91-9
	737421-92-0	737421-93-1	737421-94-2	737421-95-3	737421-96-4
	737421-97-5	737421-98-6	737421-99-7	737422-00-3	737422-01-4
	737422-02-5	737422-03-6	737422-04-7	737422-05-8	737422-06-9
	737422-07-0	737422-08-1	737422-09-2	737422-10-5	737422-11-6
	737422-12-7	737422-13-8	737422-14-9	737422-15-0	737422-16-1
	737422-17-2	737422-18-3	737422-19-4	737422-20-7	737422-21-8

737422-22-9	737422-23-0	737422-24-1	737422-25-2	737422-26-3
737422-27-4	737422-28-5	737422-29-6	737422-30-9	737422-31-0
737422-32-1	737422-33-2	737422-34-3	737422-35-4	737422-36-5
737422-37-6	737422-38-7	737422-39-8	737422-40-1	737422-41-2
737422-42-3	737422-43-4	737422-44-5	737422-45-6	737422-46-7
737422-47-8	737422-48-9	737422-49-0	737422-50-3	737422-51-4
737422-52-5	737422-53-6	737422-54-7	737422-55-8	737422-56-9
737422-57-0	737422-58-1	737422-59-2	737422-60-5	737422-61-6
737422-62-7	737422-63-8	737422-64-9	737422-65-0	737422-66-1
737422-67-2	737422-68-3	737422-69-4	737422-70-7	737422-71-8
737422-72-9	737422-73-0	737422-74-1	737422-75-2	737422-76-3
737422-77-4	737422-78-5	737422-79-6	737422-80-9	737422-81-0
737422-82-1	737422-83-2	737422-84-3	737422-85-4	737422-86-5
737422-87-6	737422-88-7	737422-89-8	737422-90-1	737422-91-2
737422-92-3	737422-93-4	737422-94-5	737422-95-6	737422-96-7
737422-97-8	737422-98-9	737422-99-0	737423-00-6	737423-01-7
737423-02-8	737423-03-9	737423-04-0	737423-05-1	737423-06-2
737423-07-3	737423-08-4	737423-09-5	737423-10-8	737423-11-9
737423-12-0	737423-13-1	737423-14-2	737423-15-3	737423-16-4
737423-17-5	737423-18-6	737423-19-7	737423-20-0	737423-21-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737423-22-2	737423-23-3	737423-24-4	737423-25-5	737423-26-6
	737423-27-7	737423-28-8	737423-29-9	737423-30-2	737423-31-3
	737423-32-4	737423-33-5	737423-34-6	737423-35-7	737423-36-8
	737423-37-9	737423-38-0	737423-39-1	737423-40-4	737423-41-5
	737423-42-6	737423-43-7	737423-44-8	737423-45-9	737423-46-0
	737423-47-1	737423-48-2	737423-49-3	737423-50-6	737423-51-7
	737423-52-8	737423-53-9	737423-54-0	737423-55-1	737423-56-2
	737423-57-3	737423-58-4	737423-59-5	737423-60-8	737423-61-9
	737423-62-0	737423-63-1	737423-64-2	737423-65-3	737423-66-4
	737423-67-5	737423-68-6	737423-69-7	737423-70-0	737423-71-1
	737423-72-2	737423-73-3	737423-74-4	737423-75-5	737423-76-6
	737423-77-7	737423-78-8	737423-79-9	737423-80-2	737423-81-3
	737423-82-4	737423-83-5	737423-84-6	737423-85-7	737423-86-8
	737423-87-9	737423-88-0	737423-89-1	737423-90-4	737423-91-5
	737423-92-6	737423-93-7	737423-94-8	737423-95-9	737423-96-0
	737423-97-1	737423-98-2	737423-99-3	737424-00-9	737424-01-0
	737424-02-1	737424-03-2	737424-04-3	737424-05-4	737424-06-5
	737424-07-6	737424-08-7	737424-09-8	737424-10-1	737424-11-2
	737424-12-3	737424-13-4	737424-14-5	737424-15-6	737424-16-7
	737424-17-8	737424-18-9	737424-19-0	737424-20-3	737424-21-4
	737424-22-5	737424-23-6	737424-24-7	737424-25-8	737424-26-9
	737424-27-0	737424-28-1	737424-29-2	737424-30-5	737424-31-6
	737424-32-7	737424-33-8	737424-34-9	737424-35-0	737424-36-1
	737424-37-2	737424-38-3	737424-39-4	737424-40-7	737424-41-8
	737424-42-9	737424-43-0	737424-44-1	737424-45-2	737424-46-3
	737424-47-4	737424-48-5	737424-49-6	737424-50-9	737424-51-0
	737424-52-1	737424-53-2	737424-54-3	737424-55-4	737424-56-5
	737424-57-6	737424-58-7	737424-59-8	737424-60-1	737424-61-2
	737424-62-3	737424-63-4	737424-64-5	737424-65-6	
	737424-66-7	737424-67-8	737424-68-9	737424-69-0	737424-70-3
	737424-71-4	737424-72-5	737424-73-6	737424-74-7	737424-75-8
	737424-76-9	737424-77-0	737424-78-1	737424-79-2	737424-80-5
	737424-81-6	737424-82-7	737424-83-8	737424-84-9	737424-85-0
	737424-86-1	737424-87-2	737424-88-3	737424-89-4	737424-90-7
	737424-91-8	737424-92-9	737424-93-0	737424-94-1	737424-95-2
	737424-96-3	737424-97-4	737424-98-5	737424-99-6	737425-00-2
	737425-01-3	737425-02-4	737425-03-5	737425-04-6	737425-05-7
	737425-06-8	737425-07-9	737425-08-0	737425-09-1	737425-10-4
	737425-11-5	737425-12-6	737425-13-7	737425-14-8	737425-15-9
	737425-16-0	737425-17-1	737425-18-2	737425-19-3	737425-20-6
	737425-21-7	737425-22-8	737425-23-9	737425-24-0	737425-25-1
	737425-26-2	737425-27-3	737425-28-4	737425-29-5	737425-30-8

737425-31-9	737425-32-0	737425-33-1	737425-34-2	737425-35-3
737425-36-4	737425-37-5	737425-38-6	737425-39-7	737425-40-0
737425-41-1	737425-42-2	737425-43-3	737425-44-4	737425-45-5
737425-46-6	737425-47-7	737425-48-8	737425-49-9	737425-50-2
737425-51-3	737425-52-4	737425-53-5	737425-54-6	737425-55-7
737425-56-8				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737425-57-9	737425-58-0	737425-59-1	737425-60-4	737425-61-5
	737425-62-6	737425-63-7	737425-64-8	737425-65-9	737425-66-0
	737425-67-1	737425-68-2	737425-69-3	737425-70-6	737425-71-7
	737425-72-8	737425-73-9	737425-74-0	737425-75-1	737425-76-2
	737425-77-3	737425-78-4	737425-79-5	737425-80-8	737425-81-9
	737425-82-0	737425-83-1	737425-84-2	737425-85-3	737425-86-4
	737425-87-5	737425-88-6	737425-89-7	737425-90-0	737425-91-1
	737425-92-2	737425-93-3	737425-94-4	737425-95-5	737425-96-6
	737425-97-7	737425-98-8	737425-99-9	737426-00-5	737426-01-6
	737426-02-7	737426-03-8	737426-04-9	737426-05-0	737426-06-1
	737426-07-2	737426-08-3	737426-09-4	737426-10-7	737426-11-8
	737426-12-9	737426-13-0	737426-14-1	737426-15-2	737426-16-3
	737426-17-4	737426-18-5	737426-19-6	737426-20-9	737426-21-0
	737426-22-1	737426-23-2	737426-24-3	737426-25-4	737426-26-5
	737426-27-6	737426-28-7	737426-29-8	737426-30-1	737426-31-2
	737426-32-3	737426-33-4	737426-34-5	737426-35-6	737426-36-7
	737426-37-8	737426-38-9	737426-39-0	737426-40-3	737426-41-4
	737426-42-5	737426-43-6	737426-44-7	737426-45-8	737426-46-9
	737426-47-0	737426-48-1	737426-49-2	737426-50-5	737426-51-6
	737426-52-7	737426-53-8	737426-54-9	737426-55-0	737426-56-1
	737426-57-2	737426-58-3	737426-59-4	737426-60-7	737426-61-8
	737426-62-9	737426-63-0	737426-64-1	737426-65-2	737426-66-3
	737426-67-4	737426-68-5	737426-69-6	737426-70-9	737426-71-0
	737426-72-1	737426-73-2	737426-74-3	737426-75-4	737426-76-5
	737426-77-6	737426-78-7	737426-79-8	737426-80-1	737426-81-2
	737426-82-3	737426-83-4	737426-84-5	737426-85-6	737426-86-7
	737426-87-8	737426-88-9	737426-89-0	737426-90-3	737426-91-4
	737426-92-5	737426-93-6	737426-94-7	737426-95-8	737426-96-9
	737426-97-0	737426-98-1	737426-99-2	737427-00-8	737427-01-9
	737427-02-0	737427-03-1	737427-04-2	737427-05-3	737427-06-4
	737427-07-5	737427-08-6	737427-09-7	737427-10-0	737427-11-1
	737427-12-2	737427-13-3	737427-14-4	737427-15-5	737427-16-6
	737427-17-7	737427-18-8	737427-19-9	737427-20-2	737427-21-3
	737427-22-4	737427-23-5	737427-24-6	737427-25-7	737427-26-8
	737427-27-9	737427-28-0	737427-29-1	737427-30-4	737427-31-5
	737427-32-6	737427-33-7	737427-34-8	737427-35-9	737427-36-0
	737427-37-1	737427-38-2	737427-39-3	737427-40-6	737427-41-7
	737427-42-8	737427-43-9	737427-44-0	737427-45-1	737427-46-2
	737427-47-3	737427-48-4	737427-49-5	737427-50-8	737427-51-9
	737427-52-0	737427-53-1	737427-54-2	737427-55-3	737427-56-4
	737427-57-5	737427-58-6	737427-59-7	737427-60-0	737427-61-1
	737427-62-2	737427-63-3	737427-64-4	737427-65-5	737427-66-6
	737427-67-7	737427-68-8	737427-69-9	737427-70-2	737427-71-3
	737427-72-4	737427-73-5	737427-74-6	737427-75-7	737427-76-8
	737427-77-9	737427-78-0	737427-79-1	737427-80-4	737427-81-5
	737427-82-6	737427-83-7	737427-84-8	737427-85-9	737427-86-0
	737427-87-1	737427-88-2	737427-89-3	737427-90-6	737427-91-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737427-92-8	737427-93-9	737427-94-0	737427-95-1	737427-96-2
	737427-97-3	737427-98-4	737427-99-5	737428-00-1	737428-01-2
	737428-02-3	737428-03-4	737428-04-5	737428-05-6	737428-06-7
	737428-07-8	737428-08-9	737428-09-0	737428-10-3	737428-11-4
	737428-12-5	737428-13-6	737428-14-7	737428-15-8	737428-16-9

737428-17-0	737428-18-1	737428-19-2	737428-20-5	737428-21-6
737428-22-7	737428-23-8	737428-24-9	737428-25-0	737428-26-1
737428-27-2	737428-28-3	737428-29-4	737428-30-7	737428-31-8
737428-32-9	737428-33-0	737428-34-1	737428-35-2	737428-36-3
737428-37-4	737428-38-5	737428-39-6	737428-40-9	737428-41-0
737428-42-1	737428-43-2	737428-44-3	737428-45-4	737428-46-5
737428-47-6	737428-48-7	737428-49-8	737428-50-1	737428-51-2
737428-52-3	737428-53-4	737428-54-5	737428-55-6	737428-56-7
737428-57-8	737428-58-9	737428-59-0	737428-60-3	737428-61-4
737428-62-5	737428-63-6	737428-64-7	737428-65-8	737428-66-9
737428-67-0	737428-68-1	737428-69-2	737428-70-5	737428-71-6
737428-72-7	737428-73-8	737428-74-9	737428-75-0	737428-76-1
737428-77-2	737428-78-3	737428-79-4	737428-80-7	737428-81-8
737428-82-9	737428-83-0	737428-84-1	737428-85-2	737428-86-3
737428-87-4	737428-88-5	737428-89-6	737428-90-9	737428-91-0
737428-92-1	737428-93-2	737428-94-3	737428-95-4	737428-96-5
737428-97-6	737428-98-7	737428-99-8	737429-00-4	737429-01-5
737429-02-6	737429-03-7	737429-04-8	737429-05-9	737429-06-0
737429-07-1	737429-08-2	737429-09-3	737429-10-6	737429-11-7
737429-12-8	737429-13-9	737429-14-0	737429-15-1	737429-16-2
737429-17-3	737429-18-4	737429-19-5	737429-20-8	737429-21-9
737429-22-0	737429-23-1	737429-24-2	737429-25-3	737429-26-4
737429-27-5	737429-28-6	737429-29-7	737429-30-0	737429-31-1
737429-32-2	737429-33-3	737429-34-4	737429-35-5	737429-36-6
737429-37-7	737429-38-8	737429-39-9	737429-40-2	737429-41-3
737429-42-4	737429-43-5	737429-44-6	737429-45-7	737429-46-8
737429-47-9	737429-48-0	737429-49-1	737429-50-4	737429-51-5
737429-52-6	737429-53-7	737429-54-8	737429-55-9	737429-56-0
737429-57-1	737429-58-2	737429-59-3	737429-60-6	737429-61-7
737429-62-8	737429-63-9	737429-64-0	737429-65-1	737429-66-2
737429-67-3	737429-68-4	737429-69-5	737429-70-8	737429-71-9
737429-72-0	737429-73-1	737429-74-2	737429-75-3	737429-76-4
737429-77-5	737429-78-6	737429-79-7	737429-80-0	737429-81-1
737429-82-2	737429-83-3	737429-84-4	737429-85-5	737429-86-6
737429-87-7	737429-88-8	737429-89-9	737429-90-2	737429-91-3
737429-92-4	737429-93-5	737429-94-6	737429-95-7	737429-96-8
737429-97-9	737429-98-0	737429-99-1	737430-00-1	737430-01-2
737430-02-3	737430-03-4	737430-04-5	737430-05-6	737430-06-7
737430-07-8	737430-08-9	737430-09-0	737430-10-3	737430-11-4
737430-12-5	737430-13-6	737430-14-7	737430-15-8	737430-16-9
737430-17-0	737430-18-1	737430-19-2	737430-20-5	737430-21-6
737430-22-7	737430-23-8	737430-24-9	737430-25-0	737430-26-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737430-27-2	737430-28-3	737430-29-4	737430-30-7	737430-31-8
	737430-32-9	737430-33-0	737430-34-1	737430-35-2	737430-36-3
	737430-37-4	737430-38-5	737430-39-6	737430-40-9	737430-41-0
	737430-42-1	737430-43-2	737430-44-3	737430-45-4	737430-46-5
	737430-47-6	737430-48-7	737430-49-8	737430-50-1	737430-51-2
	737430-52-3	737430-53-4	737430-54-5	737430-55-6	737430-56-7
	737430-57-8	737430-58-9	737430-59-0	737430-60-3	737430-61-4
	737430-62-5	737430-63-6	737430-64-7	737430-65-8	737430-66-9
	737430-67-0	737430-68-1	737430-69-2	737430-70-5	737430-71-6
	737430-72-7	737430-73-8	737430-74-9	737430-75-0	737430-76-1
	737430-77-2	737430-78-3	737430-79-4	737430-80-7	737430-81-8
	737430-82-9	737430-83-0	737430-84-1	737430-85-2	737430-86-3
	737430-87-4	737430-88-5	737430-89-6	737430-90-9	737430-91-0
	737430-92-1	737430-93-2	737430-94-3	737430-95-4	737430-96-5
	737430-97-6	737430-98-7	737430-99-8	737431-00-4	737431-01-5
	737431-02-6	737431-03-7	737431-04-8	737431-05-9	737431-06-0
	737431-07-1	737431-08-2	737431-09-3	737431-10-6	737431-11-7
	737431-12-8	737431-13-9	737431-14-0	737431-15-1	737431-16-2
	737431-17-3	737431-18-4	737431-19-5	737431-20-8	737431-21-9
	737431-22-0	737431-23-1	737431-24-2	737431-25-3	737431-26-4

737431-27-5	737431-28-6	737431-29-7	737431-30-0	737431-31-1
737431-32-2	737431-33-3	737431-34-4	737431-35-5	737431-36-6
737431-37-7	737431-38-8	737431-39-9	737431-40-2	737431-41-3
737431-42-4	737431-43-5	737431-44-6	737431-45-7	737431-46-8
737431-47-9	737431-48-0	737431-49-1	737431-50-4	737431-51-5
737431-52-6	737431-53-7	737431-54-8	737431-55-9	737431-56-0
737431-57-1	737431-58-2	737431-59-3	737431-60-6	737431-61-7
737431-62-8	737431-63-9	737431-64-0	737431-65-1	737431-66-2
737431-67-3	737431-68-4	737431-69-5	737431-70-8	737431-71-9
737431-72-0	737431-73-1	737431-74-2	737431-75-3	737431-76-4
737431-77-5	737431-78-6	737431-79-7	737431-80-0	737431-81-1
737431-82-2	737431-83-3	737431-84-4	737431-85-5	737431-86-6
737431-87-7	737431-88-8	737431-89-9	737431-90-2	737431-91-3
737431-92-4	737431-93-5	737431-94-6	737431-95-7	737431-96-8
737431-97-9	737431-98-0	737431-99-1	737432-00-7	737432-01-8
737432-02-9	737432-03-0	737432-04-1	737432-05-2	737432-06-3
737432-07-4	737432-08-5	737432-09-6	737432-10-9	737432-11-0
737432-12-1	737432-13-2	737432-14-3	737432-15-4	737432-16-5
737432-17-6	737432-18-7	737432-19-8	737432-20-1	737432-21-2
737432-22-3	737432-23-4	737432-24-5	737432-25-6	737432-26-7
737432-27-8	737432-28-9	737432-29-0	737432-30-3	737432-31-4
737432-32-5	737432-33-6	737432-34-7	737432-35-8	737432-36-9
737432-37-0	737432-38-1	737432-39-2	737432-40-5	737432-41-6
737432-42-7	737432-43-8	737432-44-9	737432-45-0	737432-46-1
737432-47-2	737432-48-3	737432-49-4	737432-50-7	737432-51-8
737432-52-9	737432-53-0	737432-54-1	737432-55-2	737432-56-3
737432-57-4	737432-58-5	737432-59-6	737432-60-9	737432-61-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737432-62-1	737432-63-2	737432-64-3	737432-65-4	737432-66-5
	737432-67-6	737432-68-7	737432-69-8	737432-70-1	737432-71-2
	737432-72-3	737432-73-4	737432-74-5	737432-75-6	737432-76-7
	737432-77-8	737432-78-9	737432-79-0	737432-80-3	737432-81-4
	737432-82-5	737432-83-6	737432-84-7	737432-85-8	737432-86-9
	737432-87-0	737432-88-1	737432-89-2	737432-90-5	737432-91-6
	737432-92-7	737432-93-8	737432-94-9	737432-95-0	737432-96-1
	737432-97-2	737432-98-3	737432-99-4	737433-00-0	737433-01-1
	737433-02-2	737433-03-3	737433-04-4	737433-05-5	737433-06-6
	737433-07-7	737433-08-8	737433-09-9	737433-10-2	737433-11-3
	737433-12-4	737433-13-5	737433-14-6	737433-15-7	737433-16-8
	737433-17-9	737433-18-0	737433-19-1	737433-20-4	737433-21-5
	737433-22-6	737433-23-7	737433-24-8	737433-25-9	737433-26-0
	737433-27-1	737433-28-2	737433-29-3	737433-30-6	737433-31-7
	737433-32-8	737433-33-9	737433-34-0	737433-35-1	737433-36-2
	737433-37-3	737433-38-4	737433-39-5	737433-40-8	737433-41-9
	737433-42-0	737433-43-1	737433-44-2	737433-45-3	737433-46-4
	737433-47-5	737433-48-6	737433-49-7	737433-50-0	737433-51-1
	737433-52-2	737433-53-3	737433-54-4	737433-55-5	737433-56-6
	737433-57-7	737433-58-8	737433-59-9	737433-60-2	737433-61-3
	737433-62-4	737433-63-5	737433-64-6	737433-65-7	737433-66-8
	737433-67-9	737433-68-0	737433-69-1	737433-70-4	737433-71-5
	737433-72-6	737433-73-7	737433-74-8	737433-75-9	737433-76-0
	737433-77-1	737433-78-2	737433-79-3	737433-80-6	737433-81-7
	737433-82-8	737433-83-9	737433-84-0	737433-85-1	737433-86-2
	737433-87-3	737433-88-4	737433-89-5	737433-90-8	737433-91-9
	737433-92-0	737433-93-1	737433-94-2	737433-95-3	737433-96-4
	737433-97-5	737433-98-6	737433-99-7	737434-00-3	737434-01-4
	737434-02-5	737434-03-6	737434-04-7	737434-05-8	737434-06-9
	737434-07-0	737434-08-1	737434-09-2	737434-10-5	737434-11-6
	737434-12-7	737434-13-8	737434-14-9	737434-15-0	737434-16-1
	737434-17-2	737434-18-3	737434-19-4	737434-20-7	737434-21-8
	737434-22-9	737434-23-0	737434-24-1	737434-25-2	737434-26-3
	737434-27-4	737434-28-5	737434-29-6	737434-30-9	737434-31-0
	737434-32-1	737434-33-2	737434-34-3	737434-35-4	737434-36-5

737434-37-6	737434-38-7	737434-39-8	737434-40-1	737434-41-2
737434-42-3	737434-43-4	737434-44-5	737434-45-6	737434-46-7
737434-47-8	737434-48-9	737434-49-0	737434-50-3	737434-51-4
737434-52-5	737434-53-6	737434-54-7	737434-55-8	737434-56-9
737434-57-0	737434-58-1	737434-59-2	737434-60-5	737434-61-6
737434-62-7	737434-63-8	737434-64-9	737434-65-0	737434-66-1
737434-67-2	737434-68-3	737434-69-4	737434-70-7	737434-71-8
737434-72-9	737434-73-0	737434-74-1	737434-75-2	737434-76-3
737434-77-4	737434-78-5	737434-79-6	737434-80-9	737434-81-0
737434-82-1	737434-83-2	737434-84-3	737434-85-4	737434-86-5
737434-87-6	737434-88-7	737434-89-8	737434-90-1	737434-91-2
737434-92-3	737434-93-4	737434-94-5	737434-95-6	737434-96-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737434-97-8	737434-98-9	737434-99-0	737435-00-6	737435-01-7
	737435-02-8	737435-03-9	737435-04-0	737435-05-1	737435-06-2
	737435-07-3	737435-08-4	737435-09-5	737435-10-8	737435-11-9
	737435-12-0	737435-13-1	737435-14-2	737435-15-3	737435-16-4
	737435-17-5	737435-18-6	737435-19-7	737435-20-0	737435-21-1
	737435-22-2	737435-23-3	737435-24-4	737435-25-5	737435-26-6
	737435-27-7	737435-28-8	737435-29-9	737435-30-2	737435-31-3
	737435-32-4	737435-33-5	737435-34-6	737435-35-7	737435-36-8
	737435-37-9	737435-38-0	737435-39-1	737435-40-4	737435-41-5
	737435-42-6	737435-43-7	737435-44-8	737435-45-9	737435-46-0
	737435-47-1	737435-48-2	737435-49-3	737435-50-6	737435-51-7
	737435-52-8	737435-53-9	737435-54-0	737435-55-1	737435-56-2
	737435-57-3	737435-58-4	737435-59-5	737435-60-8	737435-61-9
	737435-62-0	737435-63-1	737435-64-2	737435-65-3	737435-66-4
	737435-67-5	737435-68-6	737435-69-7	737435-70-0	737435-71-1
	737435-72-2	737435-73-3	737435-74-4	737435-75-5	737435-76-6
	737435-77-7	737435-78-8	737435-79-9	737435-80-2	737435-81-3
	737435-82-4	737435-83-5	737435-84-6	737435-85-7	737435-86-8
	737435-87-9	737435-88-0	737435-89-1	737435-90-4	737435-91-5
	737435-92-6	737435-93-7	737435-94-8	737435-95-9	737435-96-0
	737435-97-1	737435-98-2	737435-99-3	737436-00-9	737436-01-0
	737436-02-1	737436-03-2	737436-04-3	737436-05-4	737436-06-5
	737436-07-6	737436-08-7	737436-09-8	737436-10-1	737436-11-2
	737436-12-3	737436-13-4	737436-14-5	737436-15-6	737436-16-7
	737436-17-8	737436-18-9	737436-19-0	737436-20-3	737436-21-4
	737436-22-5	737436-23-6	737436-24-7	737436-25-8	737436-26-9
	737436-27-0	737436-28-1	737436-29-2	737436-30-5	737436-31-6
	737436-32-7	737436-33-8	737436-34-9	737436-35-0	737436-36-1
	737436-37-2	737436-38-3	737436-39-4	737436-40-7	737436-41-8
	737436-42-9	737436-43-0	737436-44-1	737436-45-2	737436-46-3
	737436-47-4	737436-48-5	737436-49-6	737436-50-9	737436-51-0
	737436-52-1	737436-53-2	737436-54-3	737436-55-4	737436-56-5
	737436-57-6	737436-58-7	737436-59-8	737436-60-1	737436-61-2
	737436-62-3	737436-63-4	737436-64-5	737436-65-6	737436-66-7
	737436-67-8	737436-68-9	737436-69-0	737436-70-3	737436-71-4
	737436-72-5	737436-73-6	737436-74-7	737436-75-8	737436-76-9
	737436-77-0	737436-78-1	737436-79-2	737436-80-5	737436-81-6
	737436-82-7	737436-83-8	737436-84-9	737436-85-0	737436-86-1
	737436-87-2	737436-88-3	737436-89-4	737436-90-7	737436-91-8
	737436-92-9	737436-93-0	737436-94-1	737436-95-2	737436-96-3
	737436-97-4	737436-98-5	737436-99-6	737437-00-2	737437-01-3
	737437-02-4	737437-03-5	737437-04-6	737437-05-7	737437-06-8
	737437-07-9	737437-08-0	737437-09-1	737437-10-4	737437-11-5
	737437-12-6	737437-13-7	737437-14-8	737437-15-9	737437-16-0
	737437-17-1	737437-18-2	737437-19-3	737437-20-6	737437-21-7
	737437-22-8	737437-23-9	737437-24-0	737437-25-1	737437-26-2
	737437-27-3	737437-28-4	737437-29-5	737437-30-8	737437-31-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and

their uses for plant improvement)

IT	737437-32-0	737437-33-1	737437-34-2	737437-35-3	737437-36-4
	737437-37-5	737437-38-6	737437-39-7	737437-40-0	737437-41-1
	737437-42-2	737437-43-3	737437-44-4	737437-45-5	737437-46-6
	737437-47-7	737437-48-8	737437-49-9	737437-50-2	737437-51-3
	737437-52-4	737437-53-5	737437-54-6	737437-55-7	737437-56-8
	737437-57-9	737437-58-0	737437-59-1	737437-60-4	737437-61-5
	737437-62-6	737437-63-7	737437-64-8	737437-65-9	737437-66-0
	737437-67-1	737437-68-2	737437-69-3	737437-70-6	737437-71-7
	737437-72-8	737437-73-9	737437-74-0	737437-75-1	737437-76-2
	737437-77-3	737437-78-4	737437-79-5	737437-80-8	737437-81-9
	737437-82-0	737437-83-1	737437-84-2	737437-85-3	737437-86-4
	737437-87-5	737437-88-6	737437-89-7	737437-90-0	737437-91-1
	737437-92-2	737437-93-3	737437-94-4	737437-95-5	737437-96-6
	737437-97-7	737437-98-8	737437-99-9	737438-00-5	737438-01-6
	737438-02-7	737438-03-8	737438-04-9	737438-05-0	737438-06-1
	737438-07-2	737438-08-3	737438-09-4	737438-10-7	737438-11-8
	737438-12-9	737438-13-0	737438-14-1	737438-15-2	737438-16-3
	737438-17-4	737438-18-5	737438-19-6	737438-20-9	737438-21-0
	737438-22-1	737438-23-2	737438-24-3	737438-25-4	737438-26-5
	737438-27-6	737438-28-7	737438-29-8	737438-30-1	737438-31-2
	737438-32-3	737438-33-4	737438-34-5	737438-35-6	737438-36-7
	737438-37-8	737438-38-9	737438-39-0	737438-40-3	737438-41-4
	737438-42-5	737438-43-6	737438-44-7	737438-45-8	737438-46-9
	737438-47-0	737438-48-1	737438-49-2	737438-50-5	737438-51-6
	737438-52-7	737438-53-8	737438-54-9	737438-55-0	737438-56-1
	737438-57-2	737438-58-3	737438-59-4	737438-60-7	737438-61-8
	737438-62-9	737438-63-0	737438-64-1	737438-65-2	737438-66-3
	737438-67-4	737438-68-5	737438-69-6	737438-70-9	737438-71-0
	737438-72-1	737438-73-2	737438-74-3	737438-75-4	737438-76-5
	737438-77-6	737438-78-7	737438-79-8	737438-80-1	737438-81-2
	737438-82-3	737438-83-4	737438-84-5	737438-85-6	737438-86-7
	737438-87-8	737438-88-9	737438-89-0	737438-90-3	737438-91-4
	737438-92-5	737438-93-6	737438-94-7	737438-95-8	737438-96-9
	737438-97-0	737438-98-1	737438-99-2	737439-00-8	737439-01-9
	737439-02-0	737439-03-1	737439-04-2	737439-05-3	737439-06-4
	737439-07-5	737439-08-6	737439-09-7	737439-10-0	737439-11-1
	737439-12-2	737439-13-3	737439-14-4	737439-15-5	737439-16-6
	737439-17-7	737439-18-8	737439-19-9	737439-20-2	737439-21-3
	737439-22-4	737439-23-5	737439-24-6	737439-25-7	737439-26-8
	737439-27-9	737439-28-0	737439-29-1	737439-30-4	737439-31-5
	737439-32-6	737439-33-7	737439-34-8	737439-35-9	737439-36-0
	737439-37-1	737439-38-2	737439-39-3	737439-40-6	737439-41-7
	737439-42-8	737439-43-9	737439-44-0	737439-45-1	737439-46-2
	737439-47-3	737439-48-4	737439-49-5	737439-50-8	737439-51-9
	737439-52-0	737439-53-1	737439-54-2	737439-55-3	737439-56-4
	737439-57-5	737439-58-6	737439-59-7	737439-60-0	737439-61-1
	737439-62-2	737439-63-3	737439-64-4	737439-65-5	737439-66-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737439-67-7	737439-68-8	737439-69-9	737439-70-2	737439-71-3
	737439-72-4	737439-73-5	737439-74-6	737439-75-7	737439-76-8
	737439-77-9	737439-78-0	737439-79-1	737439-80-4	737439-81-5
	737439-82-6	737439-83-7	737439-84-8	737439-85-9	737439-86-0
	737439-87-1	737439-88-2	737439-89-3	737439-90-6	737439-91-7
	737439-92-8	737439-93-9	737439-94-0	737439-95-1	737439-96-2
	737439-97-3	737439-98-4	737439-99-5	737440-00-5	737440-01-6
	737440-02-7	737440-03-8	737440-04-9	737440-05-0	737440-06-1
	737440-07-2	737440-08-3	737440-09-4	737440-10-7	737440-11-8
	737440-12-9	737440-13-0	737440-14-1	737440-15-2	737440-16-3
	737440-17-4	737440-18-5	737440-19-6	737440-20-9	737440-21-0
	737440-22-1	737440-23-2	737440-24-3	737440-25-4	737440-26-5
	737440-27-6	737440-28-7	737440-29-8	737440-30-1	737440-31-2
	737440-32-3	737440-33-4	737440-34-5	737440-35-6	737440-36-7

737440-37-8	737440-38-9	737440-39-0	737440-40-3	737440-41-4
737440-42-5	737440-43-6	737440-44-7	737440-45-8	737440-46-9
737440-47-0	737440-48-1	737440-49-2	737440-50-5	737440-51-6
737440-52-7	737440-53-8	737440-54-9	737440-55-0	737440-56-1
737440-57-2	737440-58-3	737440-59-4	737440-60-7	737440-61-8
737440-62-9	737440-63-0	737440-64-1	737440-65-2	737440-66-3
737440-67-4	737440-68-5	737440-69-6	737440-70-9	737440-71-0
737440-72-1	737440-73-2	737440-74-3	737440-75-4	737440-76-5
737440-77-6	737440-78-7	737440-79-8	737440-80-1	737440-81-2
737440-82-3	737440-83-4	737440-84-5	737440-85-6	737440-86-7
737440-87-8	737440-88-9	737440-89-0	737440-90-3	737440-91-4
737440-92-5	737440-93-6	737440-94-7	737440-95-8	737440-96-9
737440-97-0	737440-98-1	737440-99-2	737441-00-8	737441-01-9
737441-02-0	737441-03-1	737441-04-2	737441-05-3	737441-06-4
737441-07-5	737441-08-6	737441-09-7	737441-10-0	737441-11-1
737441-12-2	737441-13-3	737441-14-4	737441-15-5	737441-16-6
737441-17-7	737441-18-8	737441-19-9	737441-20-2	737441-21-3
737441-22-4	737441-23-5	737441-24-6	737441-25-7	737441-26-8
737441-27-9	737441-28-0	737441-29-1	737441-30-4	737441-31-5
737441-32-6	737441-33-7	737441-34-8	737441-35-9	737441-36-0
737441-37-1	737441-38-2	737441-39-3	737441-40-6	737441-41-7
737441-42-8	737441-43-9	737441-44-0	737441-45-1	737441-46-2
737441-47-3	737441-48-4	737441-49-5	737441-50-8	737441-51-9
737441-52-0	737441-53-1	737441-54-2	737441-55-3	737441-56-4
737441-57-5	737441-58-6	737441-59-7	737441-60-0	737441-61-1
737441-62-2	737441-63-3	737441-64-4	737441-65-5	737441-66-6
737441-67-7	737441-68-8	737441-69-9	737441-70-2	737441-71-3
737441-72-4	737441-73-5	737441-74-6	737441-75-7	737441-76-8
737441-77-9	737441-78-0	737441-79-1	737441-80-4	737441-81-5
737441-82-6	737441-83-7	737441-84-8	737441-85-9	737441-86-0
737441-87-1	737441-88-2	737441-89-3	737441-90-6	737441-91-7
737441-92-8	737441-93-9	737441-94-0	737441-95-1	737441-96-2
737441-97-3	737441-98-4	737441-99-5	737442-00-1	737442-01-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737442-02-3	737442-03-4	737442-04-5	737442-05-6	737442-06-7
	737442-07-8	737442-08-9	737442-09-0	737442-10-3	737442-11-4
	737442-12-5	737442-13-6	737442-14-7	737442-15-8	737442-16-9
	737442-17-0	737442-18-1	737442-19-2	737442-20-5	737442-21-6
	737442-22-7	737442-23-8	737442-24-9	737442-25-0	737442-26-1
	737442-27-2	737442-28-3	737442-29-4	737442-30-7	737442-31-8
	737442-32-9	737442-33-0	737442-34-1	737442-35-2	737442-36-3
	737442-37-4	737442-38-5	737442-39-6	737442-40-9	737442-41-0
	737442-42-1	737442-43-2	737442-44-3	737442-45-4	737442-46-5
	737442-47-6	737442-48-7	737442-49-8	737442-50-1	737442-51-2
	737442-52-3	737442-53-4	737442-54-5	737442-55-6	737442-56-7
	737442-57-8	737442-58-9	737442-59-0	737442-60-3	737442-61-4
	737442-62-5	737442-63-6	737442-64-7	737442-65-8	737442-66-9
	737442-67-0	737442-68-1	737442-69-2	737442-70-5	737442-71-6
	737442-72-7	737442-73-8	737442-74-9	737442-75-0	737442-76-1
	737442-77-2	737442-78-3	737442-79-4	737442-80-7	737442-81-8
	737442-82-9	737442-83-0	737442-84-1	737442-85-2	737442-86-3
	737442-87-4	737442-88-5	737442-89-6	737442-90-9	737442-91-0
	737442-92-1	737442-93-2	737442-94-3	737442-95-4	737442-96-5
	737442-97-6	737442-98-7	737442-99-8	737443-00-4	737443-01-5
	737443-02-6	737443-03-7	737443-04-8	737443-05-9	737443-06-0
	737443-07-1	737443-08-2	737443-09-3	737443-10-6	737443-11-7
	737443-12-8	737443-13-9	737443-14-0	737443-15-1	737443-16-2
	737443-17-3	737443-18-4	737443-19-5	737443-20-8	737443-21-9
	737443-22-0	737443-23-1	737443-24-2	737443-25-3	737443-26-4
	737443-27-5	737443-28-6	737443-29-7	737443-30-0	737443-31-1
	737443-32-2	737443-33-3	737443-34-4	737443-35-5	737443-36-6
	737443-37-7	737443-38-8	737443-39-9	737443-40-2	737443-41-3
	737443-42-4	737443-43-5	737443-44-6	737443-45-7	737443-46-8

737443-47-9	737443-48-0	737443-49-1	737443-50-4	737443-51-5
737443-52-6	737443-53-7	737443-54-8	737443-55-9	737443-56-0
737443-57-1	737443-58-2	737443-59-3	737443-60-6	737443-61-7
737443-62-8	737443-63-9	737443-64-0	737443-65-1	737443-66-2
737443-67-3	737443-68-4	737443-69-5	737443-70-8	737443-71-9
737443-72-0	737443-73-1	737443-74-2	737443-75-3	737443-76-4
737443-77-5	737443-78-6	737443-79-7	737443-80-0	737443-81-1
737443-82-2	737443-83-3	737443-84-4	737443-85-5	737443-86-6
737443-87-7	737443-88-8	737443-89-9	737443-90-2	737443-91-3
737443-92-4	737443-93-5	737443-94-6	737443-95-7	737443-96-8
737443-97-9	737443-98-0	737443-99-1	737444-00-7	737444-01-8
737444-02-9	737444-03-0	737444-04-1	737444-05-2	737444-06-3
737444-07-4	737444-08-5	737444-09-6	737444-10-9	737444-11-0
737444-12-1	737444-13-2	737444-14-3	737444-15-4	737444-16-5
737444-17-6	737444-18-7	737444-19-8	737444-20-1	737444-21-2
737444-22-3	737444-23-4	737444-24-5	737444-25-6	737444-26-7
737444-27-8	737444-28-9	737444-29-0	737444-30-3	737444-31-4
737444-32-5	737444-33-6	737444-34-7	737444-35-8	737444-36-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737444-37-0	737444-38-1	737444-39-2	737444-40-5	737444-41-6
	737444-42-7	737444-43-8	737444-44-9	737444-45-0	737444-46-1
	737444-47-2	737444-48-3	737444-49-4	737444-50-7	737444-51-8
	737444-52-9	737444-53-0	737444-54-1	737444-55-2	737444-56-3
	737444-57-4	737444-58-5	737444-59-6	737444-60-9	737444-61-0
	737444-62-1	737444-63-2	737444-64-3	737444-65-4	737444-66-5
	737444-67-6	737444-68-7	737444-69-8	737444-70-1	737444-71-2
	737444-72-3	737444-73-4	737444-74-5	737444-75-6	737444-76-7
	737444-77-8	737444-78-9	737444-79-0	737444-80-3	737444-81-4
	737444-82-5	737444-83-6	737444-84-7	737444-85-8	737444-86-9
	737444-87-0	737444-88-1	737444-89-2	737444-90-5	737444-91-6
	737444-92-7	737444-93-8	737444-94-9	737444-95-0	737444-96-1
	737444-97-2	737444-98-3	737444-99-4	737445-00-0	737445-01-1
	737445-02-2	737445-03-3	737445-04-4	737445-05-5	737445-06-6
	737445-07-7	737445-08-8	737445-09-9	737445-10-2	737445-11-3
	737445-12-4	737445-13-5	737445-14-6	737445-15-7	737445-16-8
	737445-17-9	737445-18-0	737445-19-1	737445-20-4	737445-21-5
	737445-22-6	737445-23-7	737445-24-8	737445-25-9	737445-26-0
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	737445-32-8	737445-33-9	737445-34-0	737445-35-1	737445-36-2
	737445-37-3	737445-38-4	737445-39-5	737445-40-8	737445-41-9
	737445-42-0	737445-43-1	737445-44-2	737445-45-3	
	737445-46-4	737445-47-5	737445-48-6	737445-49-7	737445-50-0
	737445-51-1	737445-52-2	737445-53-3	737445-54-4	737445-55-5
	737445-56-6	737445-57-7	737445-58-8	737445-59-9	737445-60-2
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	737445-66-8	737445-67-9	737445-68-0	737445-69-1	737445-70-4
	737445-71-5	737445-72-6	737445-73-7	737445-74-8	737445-75-9
	737445-76-0	737445-77-1	737445-78-2	737445-79-3	737445-80-6
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	737445-86-2	737445-87-3	737445-88-4	737445-89-5	737445-90-8
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	737445-96-4	737445-97-5	737445-98-6	737445-99-7	737446-00-3
	737446-01-4	737446-02-5	737446-03-6	737446-04-7	737446-05-8
	737446-06-9	737446-07-0	737446-08-1	737446-09-2	737446-10-5
	737446-11-6	737446-12-7	737446-13-8	737446-14-9	737446-15-0
	737446-16-1	737446-17-2	737446-18-3	737446-19-4	737446-20-7
	737446-21-8	737446-22-9	737446-23-0	737446-24-1	737446-25-2
	737446-26-3	737446-27-4	737446-28-5	737446-29-6	737446-30-9
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	737446-41-2	737446-42-3	737446-43-4	737446-44-5	737446-45-6
	737446-46-7	737446-47-8	737446-48-9	737446-49-0	737446-50-3
	737446-51-4	737446-52-5	737446-53-6	737446-54-7	737446-55-8

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 737446-61-6 737446-62-7 737446-63-8 737446-64-9 737446-65-0  
 737446-66-1 737446-67-2 737446-68-3 737446-69-4 737446-70-7  
 737446-71-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737446-72-9 737446-73-0 737446-74-1 737446-75-2 737446-76-3  
 737446-77-4 737446-78-5 737446-79-6 737446-80-9 737446-81-0  
 737446-82-1 737446-83-2 737446-84-3 737446-85-4 737446-86-5  
 737446-87-6 737446-88-7 737446-89-8 737446-90-1 737446-91-2  
 737446-92-3 737446-93-4 737446-94-5 737446-95-6 737446-96-7  
 737446-97-8 737446-98-9 737446-99-0 737447-00-6 737447-01-7  
 737447-02-8 737447-03-9 737447-04-0 737447-05-1 737447-06-2  
 737447-07-3 737447-08-4 737447-09-5 737447-10-8 737447-11-9  
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 737447-17-5 737447-18-6 737447-19-7 737447-20-0 737447-21-1  
 737447-22-2 737447-23-3 737447-24-4 737447-25-5 737447-26-6  
 737447-27-7 737447-28-8 737447-29-9 737447-30-2 737447-31-3  
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 737447-37-9 737447-38-0 737447-39-1 737447-40-4 737447-41-5  
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 737447-52-8 737447-53-9 737447-54-0 737447-55-1 737447-56-2  
 737447-57-3 737447-58-4 737447-59-5 737447-60-8 737447-61-9  
 737447-62-0 737447-63-1 737447-64-2 737447-65-3 737447-66-4  
 737447-67-5 737447-68-6 737447-69-7 737447-70-0 737447-71-1  
 737447-72-2 737447-73-3 737447-74-4 737447-75-5 737447-76-6  
 737447-77-7 737447-78-8 737447-79-9 737447-80-2 737447-81-3  
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 737447-87-9 737447-88-0 737447-89-1 737447-90-4 737447-91-5  
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 737448-42-9 737448-43-0 737448-44-1 737448-45-2 737448-46-3  
 737448-47-4 737448-48-5 737448-49-6 737448-50-9 737448-51-0  
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 737448-77-0 737448-78-1 737448-79-2 737448-80-5 737448-81-6  
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 737448-97-4 737448-98-5 737448-99-6 737449-00-2 737449-01-3  
 737449-02-4 737449-03-5 737449-04-6 737449-05-7 737449-06-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737449-07-9 737449-08-0 737449-09-1 737449-10-4 737449-11-5  
 737449-12-6 737449-13-7 737449-14-8 737449-15-9 737449-16-0  
 737449-17-1 737449-18-2 737449-19-3 737449-20-6 737449-21-7  
 737449-22-8 737449-23-9 737449-24-0 737449-25-1 737449-26-2  
 737449-27-3 737449-28-4 737449-29-5 737449-30-8 737449-31-9  
 737449-32-0 737449-33-1 737449-34-2 737449-35-3 737449-36-4  
 737449-37-5 737449-38-6 737449-39-7 737449-40-0 737449-41-1

737449-42-2	737449-43-3	737449-44-4	737449-45-5	737449-46-6
737449-47-7	737449-48-8	737449-49-9	737449-50-2	737449-51-3
737449-52-4	737449-53-5	737449-54-6	737449-55-7	737449-56-8
737449-57-9	737449-58-0	737449-59-1	737449-60-4	737449-61-5
737449-62-6	737449-63-7	737449-64-8	737449-65-9	737449-66-0
737449-67-1	737449-68-2	737449-69-3	737449-70-6	737449-71-7
737449-72-8	737449-73-9	737449-74-0	737449-75-1	737449-76-2
737449-77-3	737449-78-4	737449-79-5	737449-80-8	737449-81-9
737449-82-0	737449-83-1	737449-84-2	737449-85-3	737449-86-4
737449-87-5	737449-88-6	737449-89-7	737449-90-0	737449-91-1
737449-92-2	737449-93-3	737449-94-4	737449-95-5	737449-96-6
737449-97-7	737449-98-8	737449-99-9	737450-00-9	737450-01-0
737450-02-1	737450-03-2	737450-04-3	737450-05-4	737450-06-5
737450-07-6	737450-08-7	737450-09-8	737450-10-1	737450-11-2
737450-12-3	737450-13-4	737450-14-5	737450-15-6	737450-16-7
737450-17-8	737450-18-9	737450-19-0	737450-20-3	737450-21-4
737450-22-5	737450-23-6	737450-24-7	737450-25-8	737450-26-9
737450-27-0	737450-28-1	737450-29-2	737450-30-5	737450-31-6
737450-32-7	737450-33-8	737450-34-9	737450-35-0	737450-36-1
737450-37-2	737450-38-3	737450-39-4	737450-40-7	737450-41-8
737450-42-9	737450-43-0	737450-44-1	737450-45-2	737450-46-3
737450-47-4	737450-48-5	737450-49-6	737450-50-9	737450-51-0
737450-52-1	737450-53-2	737450-54-3	737450-55-4	737450-56-5
737450-57-6	737450-58-7	737450-59-8	737450-60-1	737450-61-2
737450-62-3	737450-63-4	737450-64-5	737450-65-6	737450-66-7
737450-67-8	737450-68-9	737450-69-0	737450-70-3	737450-71-4
737450-72-5	737450-73-6	737450-74-7	737450-75-8	737450-76-9
737450-77-0	737450-78-1	737450-79-2	737450-80-5	737450-81-6
737450-82-7	737450-83-8	737450-84-9	737450-85-0	737450-86-1
737450-87-2	737450-88-3	737450-89-4	737450-90-7	737450-91-8
737450-92-9	737450-93-0	737450-94-1	737450-95-2	737450-96-3
737450-97-4	737450-98-5	737450-99-6	737451-00-2	737451-01-3
737451-02-4	737451-03-5	737451-04-6	737451-05-7	737451-06-8
737451-07-9	737451-08-0	737451-09-1	737451-10-4	737451-11-5
737451-12-6	737451-13-7	737451-14-8	737451-15-9	737451-16-0
737451-17-1	737451-18-2	737451-19-3	737451-20-6	737451-21-7
737451-22-8	737451-23-9	737451-24-0	737451-25-1	737451-26-2
737451-27-3	737451-28-4	737451-29-5	737451-30-8	737451-31-9
737451-32-0	737451-33-1	737451-34-2	737451-35-3	737451-36-4
737451-37-5	737451-38-6	737451-39-7	737451-40-0	737451-41-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737451-42-2	737451-43-3	737451-44-4	737451-45-5	737451-46-6
737451-47-7	737451-48-8	737451-49-9	737451-50-2	737451-51-3
737451-52-4	737451-53-5	737451-54-6	737451-55-7	737451-56-8
737451-57-9	737451-58-0	737451-59-1	737451-60-4	737451-61-5
737451-62-6	737451-63-7	737451-64-8	737451-65-9	737451-66-0
737451-67-1	737451-68-2	737451-69-3	737451-70-6	737451-71-7
737451-72-8	737451-73-9	737451-74-0	737451-75-1	737451-76-2
737451-77-3	737451-78-4	737451-79-5	737451-80-8	737451-81-9
737451-82-0	737451-83-1	737451-84-2	737451-85-3	737451-86-4
737451-87-5	737451-88-6	737451-89-7	737451-90-0	737451-91-1
737451-92-2	737451-93-3	737451-94-4	737451-95-5	737451-96-6
737451-97-7	737451-98-8	737451-99-9	737452-00-5	737452-01-6
737452-02-7	737452-03-8	737452-04-9	737452-05-0	737452-06-1
737452-07-2	737452-08-3	737452-09-4	737452-10-7	737452-11-8
737452-12-9	737452-13-0	737452-14-1	737452-15-2	737452-16-3
737452-17-4	737452-18-5	737452-19-6	737452-20-9	737452-21-0
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737452-32-3	737452-33-4	737452-34-5	737452-35-6	737452-36-7
737452-37-8	737452-38-9	737452-39-0	737452-40-3	737452-41-4
737452-42-5	737452-43-6	737452-44-7	737452-45-8	737452-46-9
737452-47-0	737452-48-1	737452-49-2	737452-50-5	737452-51-6

737452-52-7	737452-53-8	737452-54-9	737452-55-0	737452-56-1
737452-57-2	737452-58-3	737452-59-4	737452-60-7	737452-61-8
737452-62-9	737452-63-0	737452-64-1	737452-65-2	737452-66-3
737452-67-4	737452-68-5	737452-69-6	737452-70-9	737452-71-0
737452-72-1	737452-73-2	737452-74-3	737452-75-4	737452-76-5
737452-77-6	737452-78-7	737452-79-8	737452-80-1	737452-81-2
737452-82-3	737452-83-4	737452-84-5	737452-85-6	737452-86-7
737452-87-8	737452-88-9	737452-89-0	737452-90-3	737452-91-4
737452-92-5	737452-93-6	737452-94-7	737452-95-8	737452-96-9
737452-97-0	737452-98-1	737452-99-2	737453-00-8	737453-01-9
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737453-27-9	737453-28-0	737453-29-1	737453-30-4	737453-31-5
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737453-42-8	737453-43-9	737453-44-0	737453-45-1	737453-46-2
737453-47-3	737453-48-4	737453-49-5	737453-50-8	737453-51-9
737453-52-0	737453-53-1	737453-54-2	737453-55-3	737453-56-4
737453-57-5	737453-58-6	737453-59-7	737453-60-0	737453-61-1
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737453-67-7	737453-68-8	737453-69-9	737453-70-2	737453-71-3
737453-72-4	737453-73-5	737453-74-6	737453-75-7	737453-76-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737453-77-9	737453-78-0	737453-79-1	737453-80-4	737453-81-5
	737453-82-6	737453-83-7	737453-84-8	737453-85-9	737453-86-0
	737453-87-1	737453-88-2	737453-89-3	737453-90-6	737453-91-7
	737453-92-8	737453-93-9	737453-94-0	737453-95-1	737453-96-2
	737453-97-3	737453-98-4	737453-99-5	737454-00-1	737454-01-2
	737454-02-3	737454-03-4	737454-04-5	737454-05-6	737454-06-7
	737454-07-8	737454-08-9	737454-09-0	737454-10-3	737454-11-4
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	737454-17-0	737454-18-1	737454-19-2	737454-20-5	737454-21-6
	737454-22-7	737454-23-8	737454-24-9	737454-25-0	737454-26-1
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	737454-32-9	737454-33-0	737454-34-1	737454-35-2	737454-36-3
	737454-37-4	737454-38-5	737454-39-6	737454-40-9	737454-41-0
	737454-42-1	737454-43-2	737454-44-3	737454-45-4	737454-46-5
	737454-47-6	737454-48-7	737454-49-8	737454-50-1	737454-51-2
	737454-52-3	737454-53-4	737454-54-5	737454-55-6	737454-56-7
	737454-57-8	737454-58-9	737454-59-0	737454-60-3	737454-61-4
	737454-62-5	737454-63-6	737454-64-7	737454-65-8	737454-66-9
	737454-67-0	737454-68-1	737454-69-2	737454-70-5	737454-71-6
	737454-72-7	737454-73-8	737454-74-9	737454-75-0	737454-76-1
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	737454-82-9	737454-83-0	737454-84-1	737454-85-2	737454-86-3
	737454-87-4	737454-88-5	737454-89-6	737454-90-9	737454-91-0
	737454-92-1	737454-93-2	737454-94-3	737454-95-4	737454-96-5
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	737455-32-2	737455-33-3	737455-34-4	737455-35-5	737455-36-6
	737455-37-7	737455-38-8	737455-39-9	737455-40-2	737455-41-3
	737455-42-4	737455-43-5	737455-44-6	737455-45-7	737455-46-8
	737455-47-9	737455-48-0	737455-49-1	737455-50-4	737455-51-5
	737455-52-6	737455-53-7	737455-54-8	737455-55-9	737455-56-0
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737455-62-8	737455-63-9	737455-64-0	737455-65-1	737455-66-2
737455-67-3	737455-68-4	737455-69-5	737455-70-8	737455-71-9
737455-72-0	737455-73-1	737455-74-2	737455-75-3	737455-76-4
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737456-07-4	737456-08-5	737456-09-6	737456-10-9	737456-11-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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	737456-27-8	737456-28-9	737456-29-0	737456-30-3	737456-31-4
	737456-32-5	737456-33-6	737456-34-7	737456-35-8	737456-36-9
	737456-37-0	737456-38-1	737456-39-2	737456-40-5	737456-41-6
	737456-42-7	737456-43-8	737456-44-9	737456-45-0	737456-46-1
	737456-47-2	737456-48-3	737456-49-4	737456-50-7	737456-51-8
	737456-52-9	737456-53-0	737456-54-1	737456-55-2	737456-56-3
	737456-57-4	737456-58-5	737456-59-6	737456-60-9	737456-61-0
	737456-62-1	737456-63-2	737456-64-3	737456-65-4	737456-66-5
	737456-67-6	737456-68-7	737456-69-8	737456-71-2	737456-73-4
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	737458-43-4	737458-44-5	737458-45-6	737458-46-7	737458-47-8
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737458-53-6	737458-54-7	737458-55-8	737458-56-9	737458-57-0
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737458-58-1 737458-59-2 737458-60-5 737458-61-6 737458-62-7  
 737458-63-8 737458-64-9 737458-65-0 737458-66-1 737458-67-2  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737424-63-4 737445-45-3 737458-47-8  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

RN 737424-63-4 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_96921C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MDAEDIVDCL MWGIIFFFLL ACIGVALCFL ALTIATVVGL IRRRNDDANN  
 51 KYDMLIERLL LLRPKDDQDN EQCVICLSEN EDDVDGGGGE RGRGRMLPGC  
 101 AHAFHKDCVV KWLNRNRTTCP LCRSDVAVAA ADDIISTADN MV

RN 737445-45-3 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_98809C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 VYRLSIGAAC GMTWPSDKLV IQVLDDSTDP AIREMVEGEC GRWAGKGVSI  
 51 RYENRRNRSG YKAGAMREGL RKAYARECEL VAIFDADFQP DADFLLRTPV  
 101 VLVADPGVAL VQARWRFVNA DECLLTRIQE MSLDYHFRVE QEVGSACHGF  
 151 FGFNGTXGVW RVRAL EEAGX WKERTTVEDM DLAVRASLRG WRFVYVGHVG  
 201 VRNELPSTLR AYRYQQHRWS CGPANLFRKI FLEAXTARVS PWKKLHLLYD  
 251 FFFLRKLVAH LLTFSFYCVV IPACVLGSD HVRLPKYVAL YVPAAITLLN  
 301 AACTPRSCHL LIFWILFENV MSMHRTKATL IGLLEATRAN EWVVTDKRGN  
 351 ANPKHQPPAN TTTRPGRKTT TSSSRTSFFN NDVHVAEILL GACLLYCALY  
 401 DIAYGRDSFY IYLLQLSAAA FIVGFGYVGT

RN 737458-47-8 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_99984C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MSLLVVLFFF FLSPPLAAAA AYTEYSCNGT RGNFTEGSAF GLNLELLAAE  
 51 LPANASSSRS LFASAAVGAA AAPEDRVFGL ALCRGDMRDA AACAGCVSGA  
 101 FQRLRALCGR DRDATYYHDL CVVRYSGDDF LSRPDDNSPV INALDANAST  
 151 YYGWDGRNAT TRSFSLSLVG TLFGEMAMYG SYNSSARRYA SAVMYVNPQL  
 201 PTVYGLAQCT PDLSPAQCWH CFQGLQEQRN QWYDGRQGGI ILGVRCNFRY  
 251 ESYQFYAGTP DVRIGLQDVA PSPTANNGTN HRKTLVIVLS VSITVFCFML  
 301 VGCLLLIKKL RKGDRKSNR QLEAHSRNS KTEALKLWR TEESSTDFTL  
 351 YDFGLAAAT DNFSEDHRLG TGGFGPVYRA TVNVDENADD LGELSDGAEI  
 401 AVKRLAAQSG QGLKEFKNEI QLIAKLQHTN LVRLVGCCVQ EEEKMLVVEY  
 451 MPNRSIDFFI FDQEQGPLLD WKKRLHII EG VVQGLLYLHK HSRVRIIHRD  
 501 LKASNILLDK DLNPKISDFG MARIFGSNMT EANTNRVVG T YGYMAPEYAS  
 551 EGIFSVKSDV FSFGVLLLEI VSGKRNSGHQ HYGEFVNLLG YAWQLWREER  
 601 GCELIDPTLG ECSGSEAAAI IRCVKVALLC VQDNATDRPT MTDVAAMLGS

651 DGVPLPDPLP PPHYQLRVSG DDYDDGGRGS PAGGGFRPSR WRFTDSCSTN  
701 DVTITTIEEG R

L12 ANSWER 15 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:663854 HCAPLUS  
DN 141:186009  
ED Entered STN: 16 Aug 2004  
TI Rice nucleic acid molecules and encoded proteins and their uses for plant improvement  
IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei; Boukharov, Andrey A.; Barbazuk, Brad W.  
PA USA  
SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
CODEN: USXXCO  
DT Patent  
LA English  
IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04  
INCL 800278000; 435069100; 435200000; 435201000; 435419000; 536023200  
CC 3-3 (Biochemical Genetics)  
Section cross-reference(s): 6, 11  
FAN.CNT 27

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
	INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
US 2004123343	NCL	800/278.000 <--
US 2004123343	NCL	800/278.000
	ECLA	C07K014/415 <--

AB The present invention provides 102,483 cDNA sequences and their encoded protein sequences from rice (*Oryza sativa*). Bioinformatic anal. identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

ST rice cDNA protein sequence plant transformation

IT Stress, plant

(cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Stress, plant

(heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Recombination, genetic

(homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Fats and Glyceridic oils, biological studies

Growth regulators, plant

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Pathogen

(improved tolerance to; rice nucleic acid mols. and encoded proteins

and their uses for plant improvement)

IT Carbohydrates, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; rice nucleic acid mols. and encoded  
 proteins and their uses for plant improvement)

IT Stress, plant  
 (osmotic, tolerance to; rice nucleic acid mols. and encoded proteins  
 and their uses for plant improvement)

IT Cell cycle  
 Disease resistance, plant  
 Growth and development, plant  
 Herbicides  
 Oryza sativa  
 Photosynthesis, biological  
 Protein sequences  
 Transformation, genetic  
 cDNA library  
 cDNA sequences  
 (rice nucleic acid mols. and encoded proteins and their uses for plant  
 improvement)

IT Transcription factors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (rice nucleic acid mols. and encoded proteins and their uses for plant  
 improvement)

IT Proteins  
 cDNA  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (rice nucleic acid mols. and encoded proteins and their uses for plant  
 improvement)

IT Embryophyta  
 (transgenic; rice nucleic acid mols. and encoded proteins and their  
 uses for plant improvement)

IT 737359-28-3 737359-29-4 737359-30-7 737359-31-8 737359-32-9  
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737361-63-6	737361-64-7	737361-65-8	737361-66-9	737361-67-0
737361-68-1	737361-69-2	737361-70-5	737361-71-6	737361-72-7
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737361-78-3	737361-79-4	737361-80-7	737361-81-8	737361-82-9
737361-83-0	737361-84-1	737361-85-2	737361-86-3	737361-87-4
737361-88-5	737361-89-6	737361-90-9	737361-91-0	737361-92-1
737361-93-2	737361-94-3	737361-95-4	737361-96-5	737361-97-6
737361-98-7	737361-99-8	737362-00-4	737362-01-5	737362-02-6
737362-03-7	737362-04-8	737362-05-9	737362-06-0	737362-07-1
737362-08-2	737362-09-3	737362-10-6	737362-11-7	737362-12-8
737362-13-9	737362-14-0	737362-15-1	737362-16-2	737362-17-3
737362-18-4	737362-19-5	737362-20-8	737362-21-9	737362-22-0
737362-23-1	737362-24-2	737362-25-3	737362-26-4	737362-27-5
737362-28-6	737362-29-7	737362-30-0	737362-31-1	737362-32-2
737362-33-3	737362-34-4	737362-35-5	737362-36-6	737362-37-7
737362-38-8	737362-39-9	737362-40-2	737362-41-3	737362-42-4
737362-43-5	737362-44-6	737362-45-7	737362-46-8	737362-47-9
737362-48-0	737362-49-1	737362-50-4	737362-51-5	737362-52-6
737362-53-7	737362-54-8	737362-55-9	737362-56-0	737362-57-1
737362-58-2	737362-59-3	737362-60-6	737362-61-7	737362-62-8
737362-63-9	737362-64-0	737362-65-1	737362-66-2	737362-67-3
737362-68-4	737362-69-5	737362-70-8	737362-71-9	737362-72-0
737362-73-1	737362-74-2	737362-75-3	737362-76-4	737362-77-5
737362-78-6	737362-79-7	737362-80-0	737362-81-1	737362-82-2
737362-83-3	737362-84-4	737362-85-5	737362-86-6	737362-87-7
737362-88-8	737362-89-9	737362-90-2	737362-91-3	737362-92-4
737362-93-5	737362-94-6	737362-95-7	737362-96-8	737362-97-9
737362-98-0	737362-99-1	737363-00-7	737363-01-8	737363-02-9
737363-03-0	737363-04-1	737363-05-2	737363-06-3	737363-07-4
737363-08-5	737363-09-6	737363-10-9	737363-11-0	737363-12-1
737363-13-2	737363-14-3	737363-15-4	737363-16-5	737363-17-6
737363-18-7	737363-19-8	737363-20-1	737363-21-2	737363-22-3
737363-23-4	737363-24-5	737363-25-6	737363-26-7	737363-27-8
737363-28-9	737363-29-0	737363-30-3	737363-31-4	737363-32-5
737363-33-6	737363-34-7	737363-35-8	737363-36-9	737363-37-0
737363-38-1	737363-39-2	737363-40-5	737363-41-6	737363-42-7
737363-43-8	737363-44-9	737363-45-0	737363-46-1	737363-47-2
737363-48-3	737363-49-4	737363-50-7	737363-51-8	737363-52-9
737363-53-0	737363-54-1	737363-55-2	737363-56-3	737363-57-4
737363-58-5	737363-59-6	737363-60-9	737363-61-0	737363-62-1
737363-63-2	737363-64-3	737363-65-4	737363-66-5	737363-67-6
737363-68-7	737363-69-8	737363-70-1	737363-71-2	737363-72-3
737363-73-4	737363-74-5	737363-75-6	737363-76-7	737363-77-8
737363-78-9	737363-79-0	737363-80-3	737363-81-4	737363-82-5
737363-83-6	737363-84-7	737363-85-8	737363-86-9	737363-87-0
737363-88-1	737363-89-2	737363-90-5	737363-91-6	737363-92-7
737363-93-8	737363-94-9	737363-95-0	737363-96-1	737363-97-2

RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737363-98-3	737363-99-4	737364-00-0	737364-01-1	737364-02-2
	737364-03-3	737364-04-4	737364-05-5	737364-06-6	737364-07-7
	737364-08-8	737364-09-9	737364-10-2	737364-11-3	737364-12-4
	737364-13-5	737364-14-6	737364-15-7	737364-16-8	737364-17-9
	737364-18-0	737364-19-1	737364-20-4	737364-21-5	737364-22-6
	737364-23-7	737364-24-8	737364-25-9	737364-26-0	737364-27-1
	737364-28-2	737364-29-3	737364-30-6	737364-31-7	737364-32-8
	737364-33-9	737364-34-0	737364-35-1	737364-36-2	737364-37-3
	737364-38-4	737364-39-5	737364-40-8	737364-41-9	737364-42-0
	737364-43-1	737364-44-2	737364-45-3	737364-46-4	737364-47-5
	737364-48-6	737364-49-7	737364-50-0	737364-51-1	737364-52-2
	737364-53-3	737364-54-4	737364-55-5	737364-56-6	737364-57-7
	737364-58-8	737364-59-9	737364-60-2	737364-61-3	737364-62-4
	737364-63-5	737364-64-6	737364-65-7	737364-66-8	737364-67-9
	737364-68-0	737364-69-1	737364-70-4	737364-71-5	737364-72-6
	737364-73-7	737364-74-8	737364-75-9	737364-76-0	737364-77-1
	737364-78-2	737364-79-3	737364-80-6	737364-81-7	737364-82-8
	737364-83-9	737364-84-0	737364-85-1	737364-86-2	737364-87-3
	737364-88-4	737364-89-5	737364-90-8	737364-91-9	737364-92-0
	737364-93-1	737364-94-2	737364-95-3	737364-96-4	737364-97-5
	737364-98-6	737364-99-7	737365-00-3	737365-01-4	737365-02-5
	737365-03-6	737365-04-7	737365-05-8	737365-06-9	737365-07-0
	737365-08-1	737365-09-2	737365-10-5	737365-11-6	737365-12-7
	737365-13-8	737365-14-9	737365-15-0	737365-16-1	737365-17-2
	737365-18-3	737365-19-4	737365-20-7	737365-21-8	737365-22-9
	737365-23-0	737365-24-1	737365-25-2	737365-26-3	737365-27-4
	737365-28-5	737365-29-6	737365-30-9	737365-31-0	737365-32-1
	737365-33-2	737365-34-3	737365-35-4	737365-36-5	737365-37-6
	737365-38-7	737365-39-8	737365-40-1	737365-41-2	737365-42-3
	737365-43-4	737365-44-5	737365-45-6	737365-46-7	737365-47-8
	737365-48-9	737365-49-0	737365-50-3	737365-51-4	737365-52-5
	737365-53-6	737365-54-7	737365-55-8	737365-56-9	737365-57-0
	737365-58-1	737365-59-2	737365-60-5	737365-61-6	737365-62-7
	737365-63-8	737365-64-9	737365-65-0	737365-66-1	737365-67-2
	737365-68-3	737365-69-4	737365-70-7	737365-71-8	737365-72-9
	737365-73-0	737365-74-1	737365-75-2	737365-76-3	737365-77-4
	737365-78-5	737365-79-6	737365-80-9	737365-81-0	737365-82-1
	737365-83-2	737365-84-3	737365-85-4	737365-86-5	737365-87-6
	737365-88-7	737365-89-8	737365-90-1	737365-91-2	737365-92-3
	737365-93-4	737365-94-5	737365-95-6	737365-96-7	737365-97-8
	737365-98-9	737365-99-0	737366-00-6	737366-01-7	737366-02-8
	737366-03-9	737366-04-0	737366-05-1	737366-06-2	737366-07-3
	737366-08-4	737366-09-5	737366-10-8	737366-11-9	737366-12-0
	737366-13-1	737366-14-2	737366-15-3	737366-16-4	737366-17-5
	737366-18-6	737366-19-7	737366-20-0	737366-21-1	737366-22-2
	737366-23-3	737366-24-4	737366-25-5	737366-26-6	737366-27-7
	737366-28-8	737366-29-9	737366-30-2	737366-31-3	737366-32-4

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737366-33-5	737366-34-6	737366-35-7	737366-36-8	737366-37-9
	737366-38-0	737366-39-1	737366-40-4	737366-41-5	737366-42-6
	737366-43-7	737366-44-8	737366-45-9	737366-46-0	737366-47-1
	737366-48-2	737366-49-3	737366-50-6	737366-51-7	737366-52-8
	737366-53-9	737366-54-0	737366-55-1	737366-56-2	737366-57-3
	737366-58-4	737366-59-5	737366-60-8	737366-61-9	737366-62-0
	737366-63-1	737366-64-2	737366-65-3	737366-66-4	737366-67-5
	737366-68-6	737366-69-7	737366-70-0	737366-71-1	737366-72-2
	737366-73-3	737366-74-4	737366-75-5	737366-76-6	737366-77-7
	737366-78-8	737366-79-9	737366-80-2	737366-81-3	737366-82-4
	737366-83-5	737366-84-6	737366-85-7	737366-86-8	737366-87-9
	737366-88-0	737366-89-1	737366-90-4	737366-91-5	737366-92-6

737366-93-7	737366-94-8	737366-95-9	737366-96-0	737366-97-1
737366-98-2	737366-99-3	737367-00-9	737367-01-0	737367-02-1
737367-03-2	737367-04-3	737367-05-4	737367-06-5	737367-07-6
737367-08-7	737367-09-8	737367-10-1	737367-11-2	737367-12-3
737367-13-4	737367-14-5	737367-15-6	737367-16-7	737367-17-8
737367-18-9	737367-19-0	737367-20-3	737367-21-4	737367-22-5
737367-23-6	737367-24-7	737367-25-8	737367-26-9	737367-27-0
737367-28-1	737367-29-2	737367-30-5	737367-31-6	737367-32-7
737367-33-8	737367-34-9	737367-35-0	737367-36-1	737367-37-2
737367-38-3	737367-39-4	737367-40-7	737367-41-8	737367-42-9
737367-43-0	737367-44-1	737367-45-2	737367-46-3	737367-47-4
737367-48-5	737367-49-6	737367-50-9	737367-51-0	737367-52-1
737367-53-2	737367-54-3	737367-55-4	737367-56-5	737367-57-6
737367-58-7	737367-59-8	737367-60-1	737367-61-2	737367-62-3
737367-63-4	737367-64-5	737367-65-6	737367-66-7	737367-67-8
737367-68-9	737367-69-0	737367-70-3	737367-71-4	737367-72-5
737367-73-6	737367-74-7	737367-75-8	737367-76-9	737367-77-0
737367-78-1	737367-79-2	737367-80-5	737367-81-6	737367-82-7
737367-83-8	737367-84-9	737367-85-0	737367-86-1	737367-87-2
737367-88-3	737367-89-4	737367-90-7	737367-91-8	737367-92-9
737367-93-0	737367-94-1	737367-95-2	737367-96-3	737367-97-4
737367-98-5	737367-99-6	737368-00-2	737368-01-3	737368-02-4
737368-03-5	737368-04-6	737368-05-7	737368-06-8	737368-07-9
737368-08-0	737368-09-1	737368-10-4	737368-11-5	737368-12-6
737368-13-7	737368-14-8	737368-15-9	737368-16-0	737368-17-1
737368-18-2	737368-19-3	737368-20-6	737368-21-7	737368-22-8
737368-23-9	737368-24-0	737368-25-1	737368-26-2	737368-27-3
737368-28-4	737368-29-5	737368-30-8	737368-31-9	737368-32-0
737368-33-1	737368-34-2	737368-35-3	737368-36-4	737368-37-5
737368-38-6	737368-39-7	737368-40-0	737368-41-1	737368-42-2
737368-43-3	737368-44-4	737368-45-5	737368-46-6	737368-47-7
737368-48-8	737368-49-9	737368-50-2	737368-51-3	737368-52-4
737368-53-5	737368-54-6	737368-55-7	737368-56-8	737368-57-9
737368-58-0	737368-59-1	737368-60-4	737368-61-5	737368-62-6
737368-63-7	737368-64-8	737368-65-9	737368-66-0	737368-67-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737368-68-2	737368-69-3	737368-70-6	737368-71-7	737368-72-8
	737368-73-9	737368-74-0	737368-75-1	737368-76-2	737368-77-3
	737368-78-4	737368-79-5	737368-80-8	737368-81-9	737368-82-0
	737368-83-1	737368-84-2	737368-85-3	737368-86-4	737368-87-5
	737368-88-6	737368-89-7	737368-90-0	737368-91-1	737368-92-2
	737368-93-3	737368-94-4	737368-95-5	737368-96-6	737368-97-7
	737368-98-8	737368-99-9	737369-00-5	737369-01-6	737369-02-7
	737369-03-8	737369-04-9	737369-05-0	737369-06-1	737369-07-2
	737369-08-3	737369-09-4	737369-10-7	737369-11-8	737369-12-9
	737369-13-0	737369-14-1	737369-15-2	737369-16-3	737369-17-4
	737369-18-5	737369-19-6	737369-20-9	737369-21-0	737369-22-1
	737369-23-2	737369-24-3	737369-25-4	737369-26-5	737369-27-6
	737369-28-7	737369-29-8	737369-30-1	737369-31-2	737369-32-3
	737369-33-4	737369-34-5	737369-35-6	737369-36-7	737369-37-8
	737369-38-9	737369-39-0	737369-40-3	737369-41-4	737369-42-5
	737369-43-6	737369-44-7	737369-45-8	737369-46-9	737369-47-0
	737369-48-1	737369-49-2	737369-50-5	737369-51-6	737369-52-7
	737369-53-8	737369-54-9	737369-55-0	737369-56-1	737369-57-2
	737369-58-3	737369-59-4	737369-60-7	737369-61-8	737369-62-9
	737369-63-0	737369-64-1	737369-65-2	737369-66-3	737369-67-4
	737369-68-5	737369-69-6	737369-70-9	737369-71-0	737369-72-1
	737369-73-2	737369-74-3	737369-75-4	737369-76-5	737369-77-6
	737369-78-7	737369-79-8	737369-80-1	737369-81-2	737369-82-3
	737369-83-4	737369-84-5	737369-85-6	737369-86-7	737369-87-8
	737369-88-9	737369-89-0	737369-90-3	737369-91-4	737369-92-5
	737369-93-6	737369-94-7	737369-95-8	737369-96-9	737369-97-0
	737369-98-1	737369-99-2	737370-00-2	737370-01-3	737370-02-4

737370-03-5	737370-04-6	737370-05-7	737370-06-8	737370-07-9
737370-08-0	737370-09-1	737370-10-4	737370-11-5	737370-12-6
737370-13-7	737370-14-8	737370-15-9	737370-16-0	737370-17-1
737370-18-2	737370-19-3	737370-20-6	737370-21-7	737370-22-8
737370-23-9	737370-24-0	737370-25-1	737370-26-2	737370-27-3
737370-28-4	737370-29-5	737370-30-8	737370-31-9	737370-32-0
737370-33-1	737370-34-2	737370-35-3	737370-36-4	737370-37-5
737370-38-6	737370-39-7	737370-40-0	737370-41-1	737370-42-2
737370-43-3	737370-44-4	737370-45-5	737370-46-6	737370-47-7
737370-48-8	737370-49-9	737370-50-2	737370-51-3	737370-52-4
737370-53-5	737370-54-6	737370-55-7	737370-56-8	737370-57-9
737370-58-0	737370-59-1	737370-60-4	737370-61-5	737370-62-6
737370-63-7	737370-64-8	737370-65-9	737370-66-0	737370-67-1
737370-68-2	737370-69-3	737370-70-6	737370-71-7	737370-72-8
737370-73-9	737370-74-0	737370-75-1	737370-76-2	737370-77-3
737370-78-4	737370-79-5	737370-80-8	737370-81-9	737370-82-0
737370-83-1	737370-84-2	737370-85-3	737370-86-4	737370-87-5
737370-88-6	737370-89-7	737370-90-0	737370-91-1	737370-92-2
737370-93-3	737370-94-4	737370-95-5	737370-96-6	737370-97-7
737370-98-8	737370-99-9	737371-00-5	737371-01-6	737371-02-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737371-03-8	737371-04-9	737371-05-0	737371-06-1	737371-07-2
737371-08-3	737371-09-4	737371-10-7	737371-11-8	737371-12-9
737371-13-0	737371-14-1	737371-15-2	737371-16-3	737371-17-4
737371-18-5	737371-19-6	737371-20-9	737371-21-0	737371-22-1
737371-23-2	737371-24-3	737371-25-4	737371-26-5	737371-27-6
737371-28-7	737371-29-8	737371-30-1	737371-31-2	737371-32-3
737371-33-4	737371-34-5	737371-35-6	737371-36-7	737371-37-8
737371-38-9	737371-39-0	737371-40-3	737371-41-4	737371-42-5
737371-43-6	737371-44-7	737371-45-8	737371-46-9	737371-47-0
737371-48-1	737371-49-2	737371-50-5	737371-51-6	737371-52-7
737371-53-8	737371-54-9	737371-55-0	737371-56-1	737371-57-2
737371-58-3	737371-59-4	737371-60-7	737371-61-8	737371-62-9
737371-63-0	737371-64-1	737371-65-2	737371-66-3	737371-67-4
737371-68-5	737371-69-6	737371-70-9	737371-71-0	737371-72-1
737371-73-2	737371-74-3	737371-75-4	737371-76-5	737371-77-6
737371-78-7	737371-79-8	737371-80-1	737371-81-2	737371-82-3
737371-83-4	737371-84-5	737371-85-6	737371-86-7	737371-87-8
737371-88-9	737371-89-0	737371-90-3	737371-91-4	737371-92-5
737371-93-6	737371-94-7	737371-95-8	737371-96-9	737371-97-0
737371-98-1	737371-99-2	737372-00-8	737372-01-9	737372-02-0
737372-03-1	737372-04-2	737372-05-3	737372-06-4	737372-07-5
737372-08-6	737372-09-7	737372-10-0	737372-11-1	737372-12-2
737372-13-3	737372-14-4	737372-15-5	737372-16-6	737372-17-7
737372-18-8	737372-19-9	737372-20-2	737372-21-3	737372-22-4
737372-23-5	737372-24-6	737372-25-7	737372-26-8	737372-27-9
737372-28-0	737372-29-1	737372-30-4	737372-31-5	737372-32-6
737372-33-7	737372-34-8	737372-35-9	737372-36-0	737372-37-1
737372-38-2	737372-39-3	737372-40-6	737372-41-7	737372-42-8
737372-43-9	737372-44-0	737372-45-1	737372-46-2	737372-47-3
737372-48-4	737372-49-5	737372-50-8	737372-51-9	737372-52-0
737372-53-1	737372-54-2	737372-55-3	737372-56-4	737372-57-5
737372-58-6	737372-59-7	737372-60-0	737372-61-1	737372-62-2
737372-63-3	737372-64-4	737372-65-5	737372-66-6	737372-67-7
737372-68-8	737372-69-9	737372-70-2	737372-71-3	737372-72-4
737372-73-5	737372-74-6	737372-75-7	737372-76-8	737372-77-9
737372-78-0	737372-79-1	737372-80-4	737372-81-5	737372-82-6
737372-83-7	737372-84-8	737372-85-9	737372-86-0	737372-87-1
737372-88-2	737372-89-3	737372-90-6	737372-91-7	737372-92-8
737372-93-9	737372-94-0	737372-95-1	737372-96-2	737372-97-3
737372-98-4	737372-99-5	737373-00-1	737373-01-2	737373-02-3
737373-03-4	737373-04-5	737373-05-6	737373-06-7	737373-07-8
737373-08-9	737373-09-0	737373-10-3	737373-11-4	737373-12-5

737373-13-6	737373-14-7	737373-15-8	737373-16-9	737373-17-0
737373-18-1	737373-19-2	737373-20-5	737373-21-6	737373-22-7
737373-23-8	737373-24-9	737373-25-0	737373-26-1	737373-27-2
737373-28-3	737373-29-4	737373-30-7	737373-31-8	737373-32-9
737373-33-0	737373-34-1	737373-35-2	737373-36-3	737373-37-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737373-38-5	737373-39-6	737373-40-9	737373-41-0	737373-42-1
	737373-43-2	737373-44-3	737373-45-4	737373-46-5	737373-47-6
	737373-48-7	737373-49-8	737373-50-1	737373-51-2	737373-52-3
	737373-53-4	737373-54-5	737373-55-6	737373-56-7	737373-57-8
	737373-58-9	737373-59-0	737373-60-3	737373-61-4	737373-62-5
	737373-63-6	737373-64-7	737373-65-8	737373-66-9	737373-67-0
	737373-68-1	737373-69-2	737373-70-5	737373-71-6	737373-72-7
	737373-73-8	737373-74-9	737373-75-0	737373-76-1	737373-77-2
	737373-78-3	737373-79-4	737373-80-7	737373-81-8	737373-82-9
	737373-83-0	737373-84-1	737373-85-2	737373-86-3	737373-87-4
	737373-88-5	737373-89-6	737373-90-9	737373-91-0	737373-92-1
	737373-93-2	737373-94-3	737373-95-4	737373-96-5	737373-97-6
	737373-98-7	737373-99-8	737374-00-4	737374-01-5	737374-02-6
	737374-03-7	737374-04-8	737374-05-9	737374-06-0	737374-07-1
	737374-08-2	737374-09-3	737374-10-6	737374-11-7	737374-12-8
	737374-13-9	737374-14-0	737374-15-1	737374-16-2	737374-17-3
	737374-18-4	737374-19-5	737374-20-8	737374-21-9	737374-22-0
	737374-23-1	737374-24-2	737374-25-3	737374-26-4	737374-27-5
	737374-28-6	737374-29-7	737374-30-0	737374-31-1	737374-32-2
	737374-33-3	737374-34-4	737374-35-5	737374-36-6	737374-37-7
	737374-38-8	737374-39-9	737374-40-2	737374-41-3	737374-42-4
	737374-43-5	737374-44-6	737374-45-7	737374-46-8	737374-47-9
	737374-48-0	737374-49-1	737374-50-4	737374-51-5	737374-52-6
	737374-53-7	737374-54-8	737374-55-9	737374-56-0	737374-57-1
	737374-58-2	737374-59-3	737374-60-6	737374-61-7	737374-62-8
	737374-63-9	737374-64-0	737374-65-1	737374-66-2	737374-67-3
	737374-68-4	737374-69-5	737374-70-8	737374-71-9	737374-72-0
	737374-73-1	737374-74-2	737374-75-3	737374-76-4	737374-77-5
	737374-78-6	737374-79-7	737374-80-0	737374-81-1	737374-82-2
	737374-83-3	737374-84-4	737374-85-5	737374-86-6	737374-87-7
	737374-88-8	737374-89-9	737374-90-2	737374-91-3	737374-92-4
	737374-93-5	737374-94-6	737374-95-7	737374-96-8	737374-97-9
	737374-98-0	737374-99-1	737375-00-7	737375-01-8	737375-02-9
	737375-03-0	737375-04-1	737375-05-2	737375-06-3	737375-07-4
	737375-08-5	737375-09-6	737375-10-9	737375-11-0	737375-12-1
	737375-13-2	737375-14-3	737375-15-4	737375-16-5	737375-17-6
	737375-18-7	737375-19-8	737375-20-1	737375-21-2	737375-22-3
	737375-23-4	737375-24-5	737375-25-6	737375-26-7	737375-27-8
	737375-28-9	737375-29-0	737375-30-3	737375-31-4	737375-32-5
	737375-33-6	737375-34-7	737375-35-8	737375-36-9	737375-37-0
	737375-38-1	737375-39-2	737375-40-5	737375-41-6	737375-42-7
	737375-43-8	737375-44-9	737375-45-0	737375-46-1	737375-47-2
	737375-48-3	737375-49-4	737375-50-7	737375-51-8	737375-52-9
	737375-53-0	737375-54-1	737375-55-2	737375-56-3	737375-57-4
	737375-58-5	737375-59-6	737375-60-9	737375-61-0	737375-62-1
	737375-63-2	737375-64-3	737375-65-4	737375-66-5	737375-67-6
	737375-68-7	737375-69-8	737375-70-1	737375-71-2	737375-72-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737375-73-4	737375-74-5	737375-75-6	737375-76-7	737375-77-8
	737375-78-9	737375-79-0	737375-80-3	737375-81-4	737375-82-5
	737375-83-6	737375-84-7	737375-85-8	737375-86-9	737375-87-0
	737375-88-1	737375-89-2	737375-90-5	737375-91-6	737375-92-7
	737375-93-8	737375-94-9	737375-95-0	737375-96-1	737375-97-2
	737375-98-3	737375-99-4	737376-00-0	737376-01-1	737376-02-2

737376-03-3	737376-04-4	737376-05-5	737376-06-6	737376-07-7
737376-08-8	737376-09-9	737376-10-2	737376-11-3	737376-12-4
737376-13-5	737376-14-6	737376-15-7	737376-16-8	737376-17-9
737376-18-0	737376-19-1	737376-20-4	737376-21-5	737376-22-6
737376-23-7	737376-24-8	737376-25-9	737376-26-0	737376-27-1
737376-28-2	737376-29-3	737376-30-6	737376-31-7	737376-32-8
737376-33-9	737376-34-0	737376-35-1	737376-36-2	737376-37-3
737376-38-4	737376-39-5	737376-40-8	737376-41-9	737376-42-0
737376-43-1	737376-44-2	737376-45-3	737376-46-4	737376-47-5
737376-48-6	737376-49-7	737376-50-0	737376-51-1	737376-52-2
737376-53-3	737376-54-4	737376-55-5	737376-56-6	737376-57-7
737376-58-8	737376-59-9	737376-60-2	737376-61-3	737376-62-4
737376-63-5	737376-64-6	737376-65-7	737376-66-8	737376-67-9
737376-68-0	737376-69-1	737376-70-4	737376-71-5	737376-72-6
737376-73-7	737376-74-8	737376-75-9	737376-76-0	737376-77-1
737376-78-2	737376-79-3	737376-80-6	737376-81-7	737376-82-8
737376-83-9	737376-84-0	737376-85-1	737376-86-2	737376-87-3
737376-88-4	737376-89-5	737376-90-8	737376-91-9	737376-92-0
737376-93-1	737376-94-2	737376-95-3	737376-96-4	737376-97-5
737376-98-6	737376-99-7	737377-00-3	737377-01-4	737377-02-5
737377-03-6	737377-04-7	737377-05-8	737377-06-9	737377-07-0
737377-08-1	737377-09-2	737377-10-5	737377-11-6	737377-12-7
737377-13-8	737377-14-9	737377-15-0	737377-16-1	737377-17-2
737377-18-3	737377-19-4	737377-20-7	737377-21-8	737377-22-9
737377-23-0	737377-24-1	737377-25-2	737377-26-3	737377-27-4
737377-28-5	737377-29-6	737377-30-9	737377-31-0	737377-32-1
737377-33-2	737377-34-3	737377-35-4	737377-36-5	737377-37-6
737377-38-7	737377-39-8	737377-40-1	737377-41-2	737377-42-3
737377-43-4	737377-44-5	737377-45-6	737377-46-7	737377-47-8
737377-48-9	737377-49-0	737377-50-3	737377-51-4	737377-52-5
737377-53-6	737377-54-7	737377-55-8	737377-56-9	737377-57-0
737377-58-1	737377-59-2	737377-60-5	737377-61-6	737377-62-7
737377-63-8	737377-64-9	737377-65-0	737377-66-1	737377-67-2
737377-68-3	737377-69-4	737377-70-7	737377-71-8	737377-72-9
737377-73-0	737377-74-1	737377-75-2	737377-76-3	737377-77-4
737377-78-5	737377-79-6	737377-80-9	737377-81-0	737377-82-1
737377-83-2	737377-84-3	737377-85-4	737377-86-5	737377-87-6
737377-88-7	737377-89-8	737377-90-1	737377-91-2	737377-92-3
737377-93-4	737377-94-5	737377-95-6	737377-96-7	737377-97-8
737377-98-9	737377-99-0	737378-00-6	737378-01-7	737378-02-8
737378-03-9	737378-04-0	737378-05-1	737378-06-2	737378-07-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737378-08-4	737378-09-5	737378-10-8	737378-11-9	737378-12-0
	737378-13-1	737378-14-2	737378-15-3	737378-16-4	737378-17-5
	737378-18-6	737378-19-7	737378-20-0	737378-21-1	737378-22-2
	737378-23-3	737378-24-4	737378-25-5	737378-26-6	737378-27-7
	737378-28-8	737378-29-9	737378-30-2	737378-31-3	737378-32-4
	737378-33-5	737378-34-6	737378-35-7	737378-36-8	737378-37-9
	737378-38-0	737378-39-1	737378-40-4	737378-41-5	737378-42-6
	737378-43-7	737378-44-8	737378-45-9	737378-46-0	737378-47-1
	737378-48-2	737378-49-3	737378-50-6	737378-51-7	737378-52-8
	737378-53-9	737378-54-0	737378-55-1	737378-56-2	737378-57-3
	737378-58-4	737378-59-5	737378-60-8	737378-61-9	737378-62-0
	737378-63-1	737378-64-2	737378-65-3	737378-66-4	737378-67-5
	737378-68-6	737378-69-7	737378-70-0	737378-71-1	737378-72-2
	737378-73-3	737378-74-4	737378-75-5	737378-76-6	737378-77-7
	737378-78-8	737378-79-9	737378-80-2	737378-81-3	737378-82-4
	737378-83-5	737378-84-6	737378-85-7	737378-86-8	737378-87-9
	737378-88-0	737378-89-1	737378-90-4	737378-91-5	737378-92-6
	737378-93-7	737378-94-8	737378-95-9	737378-96-0	737378-97-1
	737378-98-2	737378-99-3	737379-00-9	737379-01-0	737379-02-1
	737379-03-2	737379-04-3	737379-05-4	737379-06-5	737379-07-6
	737379-08-7	737379-09-8	737379-10-1	737379-11-2	737379-12-3

737379-13-4	737379-14-5	737379-15-6	737379-16-7	737379-17-8
737379-18-9	737379-19-0	737379-20-3	737379-21-4	737379-22-5
737379-23-6	737379-24-7	737379-25-8	737379-26-9	737379-27-0
737379-28-1	737379-29-2	737379-30-5	737379-31-6	737379-32-7
737379-33-8	737379-34-9	737379-35-0	737379-36-1	737379-37-2
737379-38-3	737379-39-4	737379-40-7	737379-41-8	737379-42-9
737379-43-0	737379-44-1	737379-45-2	737379-46-3	737379-47-4
737379-48-5	737379-49-6	737379-50-9	737379-51-0	737379-52-1
737379-53-2	737379-54-3	737379-55-4	737379-56-5	737379-57-6
737379-58-7	737379-59-8	737379-60-1	737379-61-2	737379-62-3
737379-63-4	737379-64-5	737379-65-6	737379-66-7	737379-67-8
737379-68-9	737379-69-0	737379-70-3	737379-71-4	737379-72-5
737379-73-6	737379-74-7	737379-75-8	737379-76-9	737379-77-0
737379-78-1	737379-79-2	737379-80-5	737379-81-6	737379-82-7
737379-83-8	737379-84-9	737379-85-0	737379-86-1	737379-87-2
737379-88-3	737379-89-4	737379-90-7	737379-91-8	737379-92-9
737379-93-0	737379-94-1	737379-95-2	737379-96-3	737379-97-4
737379-98-5	737379-99-6	737380-00-6	737380-01-7	737380-02-8
737380-03-9	737380-04-0	737380-05-1	737380-06-2	737380-07-3
737380-08-4	737380-09-5	737380-10-8	737380-11-9	737380-12-0
737380-13-1	737380-14-2	737380-15-3	737380-16-4	737380-17-5
737380-18-6	737380-19-7	737380-20-0	737380-21-1	737380-22-2
737380-23-3	737380-24-4	737380-25-5	737380-26-6	737380-27-7
737380-28-8	737380-29-9	737380-30-2	737380-31-3	737380-32-4
737380-33-5	737380-34-6	737380-35-7	737380-36-8	737380-37-9
737380-38-0	737380-39-1	737380-40-4	737380-41-5	737380-42-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737380-43-7	737380-44-8	737380-45-9	737380-46-0	737380-47-1
	737380-48-2	737380-49-3	737380-50-6	737380-51-7	737380-52-8
	737380-53-9	737380-54-0	737380-55-1	737380-56-2	737380-57-3
	737380-58-4	737380-59-5	737380-60-8	737380-61-9	737380-62-0
	737380-63-1	737380-64-2	737380-65-3	737380-66-4	737380-67-5
	737380-68-6	737380-69-7	737380-70-0	737380-71-1	737380-72-2
	737380-73-3	737380-74-4	737380-75-5	737380-76-6	737380-77-7
	737380-78-8	737380-79-9	737380-80-2	737380-81-3	737380-82-4
	737380-83-5	737380-84-6	737380-85-7	737380-86-8	737380-87-9
	737380-88-0	737380-89-1	737380-90-4	737380-91-5	737380-92-6
	737380-93-7	737380-94-8	737380-95-9	737380-96-0	737380-97-1
	737380-98-2	737380-99-3	737381-00-9	737381-01-0	737381-02-1
	737381-03-2	737381-04-3	737381-05-4	737381-06-5	737381-07-6
	737381-08-7	737381-09-8	737381-10-1	737381-11-2	737381-12-3
	737381-13-4	737381-14-5	737381-15-6	737381-16-7	737381-17-8
	737381-18-9	737381-19-0	737381-20-3	737381-21-4	737381-22-5
	737381-23-6	737381-24-7	737381-25-8	737381-26-9	737381-27-0
	737381-28-1	737381-29-2	737381-30-5	737381-31-6	737381-32-7
	737381-33-8	737381-34-9	737381-35-0	737381-36-1	737381-37-2
	737381-38-3	737381-39-4	737381-40-7	737381-41-8	737381-42-9
	737381-43-0	737381-44-1	737381-45-2	737381-46-3	737381-47-4
	737381-48-5	737381-49-6	737381-50-9	737381-51-0	737381-52-1
	737381-53-2	737381-54-3	737381-55-4	737381-56-5	737381-57-6
	737381-58-7	737381-59-8	737381-60-1	737381-61-2	737381-62-3
	737381-63-4	737381-64-5	737381-65-6	737381-66-7	737381-67-8
	737381-68-9	737381-69-0	737381-70-3	737381-71-4	737381-72-5
	737381-73-6	737381-74-7	737381-75-8	737381-76-9	737381-77-0
	737381-78-1	737381-79-2	737381-80-5	737381-81-6	737381-82-7
	737381-83-8	737381-84-9	737381-85-0	737381-86-1	737381-87-2
	737381-88-3	737381-89-4	737381-90-7	737381-91-8	737381-92-9
	737381-93-0	737381-94-1	737381-95-2	737381-96-3	737381-97-4
	737381-98-5	737381-99-6	737382-00-2	737382-01-3	737382-02-4
	737382-03-5	737382-04-6	737382-05-7	737382-06-8	737382-07-9
	737382-08-0	737382-09-1	737382-10-4	737382-11-5	737382-12-6
	737382-13-7	737382-14-8	737382-15-9	737382-16-0	737382-17-1
	737382-18-2	737382-19-3	737382-20-6	737382-21-7	737382-22-8

737382-23-9	737382-24-0	737382-25-1	737382-26-2	737382-27-3
737382-28-4	737382-29-5	737382-30-8	737382-31-9	737382-32-0
737382-33-1	737382-34-2	737382-35-3	737382-36-4	737382-37-5
737382-38-6	737382-39-7	737382-40-0	737382-41-1	737382-42-2
737382-43-3	737382-44-4	737382-45-5	737382-46-6	737382-47-7
737382-48-8	737382-49-9	737382-50-2	737382-51-3	737382-52-4
737382-53-5	737382-54-6	737382-55-7	737382-56-8	737382-57-9
737382-58-0	737382-59-1	737382-60-4	737382-61-5	737382-62-6
737382-63-7	737382-64-8	737382-65-9	737382-66-0	737382-67-1
737382-68-2	737382-69-3	737382-70-6	737382-71-7	737382-72-8
737382-73-9	737382-74-0	737382-75-1	737382-76-2	737382-77-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737382-78-4	737382-79-5	737382-80-8	737382-81-9	737382-82-0
	737382-83-1	737382-84-2	737382-85-3	737382-86-4	737382-87-5
	737382-88-6	737382-89-7	737382-90-0	737382-91-1	737382-92-2
	737382-93-3	737382-94-4	737382-95-5	737382-96-6	737382-97-7
	737382-98-8	737382-99-9	737383-00-5	737383-01-6	737383-02-7
	737383-03-8	737383-04-9	737383-05-0	737383-06-1	737383-07-2
	737383-08-3	737383-09-4	737383-10-7	737383-11-8	737383-12-9
	737383-13-0	737383-14-1	737383-15-2	737383-16-3	737383-17-4
	737383-18-5	737383-19-6	737383-20-9	737383-21-0	737383-22-1
	737383-23-2	737383-24-3	737383-25-4	737383-26-5	737383-27-6
	737383-28-7	737383-29-8	737383-30-1	737383-31-2	737383-32-3
	737383-33-4	737383-34-5	737383-35-6	737383-36-7	737383-37-8
	737383-38-9	737383-39-0	737383-40-3	737383-41-4	737383-42-5
	737383-43-6	737383-44-7	737383-45-8	737383-46-9	737383-47-0
	737383-48-1	737383-49-2	737383-50-5	737383-51-6	737383-52-7
	737383-53-8	737383-54-9	737383-55-0	737383-56-1	737383-57-2
	737383-58-3	737383-59-4	737383-60-7	737383-61-8	737383-62-9
	737383-63-0	737383-64-1	737383-65-2	737383-66-3	737383-67-4
	737383-68-5	737383-69-6	737383-70-9	737383-71-0	737383-72-1
	737383-73-2	737383-74-3	737383-75-4	737383-76-5	737383-77-6
	737383-78-7	737383-79-8	737383-80-1	737383-81-2	737383-82-3
	737383-83-4	737383-84-5	737383-85-6	737383-86-7	737383-87-8
	737383-88-9	737383-89-0	737383-90-3	737383-91-4	737383-92-5
	737383-93-6	737383-94-7	737383-95-8	737383-96-9	737383-97-0
	737383-98-1	737383-99-2	737384-00-8	737384-01-9	737384-02-0
	737384-03-1	737384-04-2	737384-05-3	737384-06-4	737384-07-5
	737384-08-6	737384-09-7	737384-10-0	737384-11-1	737384-12-2
	737384-13-3	737384-14-4	737384-15-5	737384-16-6	737384-17-7
	737384-18-8	737384-19-9	737384-20-2	737384-21-3	737384-22-4
	737384-23-5	737384-24-6	737384-25-7	737384-26-8	737384-27-9
	737384-28-0	737384-29-1	737384-30-4	737384-31-5	737384-32-6
	737384-33-7	737384-34-8	737384-35-9	737384-36-0	737384-37-1
	737384-38-2	737384-39-3	737384-40-6	737384-41-7	737384-42-8
	737384-43-9	737384-44-0	737384-45-1	737384-46-2	737384-47-3
	737384-48-4	737384-49-5	737384-50-8	737384-51-9	737384-52-0
	737384-53-1	737384-54-2	737384-55-3	737384-56-4	737384-57-5
	737384-58-6	737384-59-7	737384-60-0	737384-61-1	737384-62-2
	737384-63-3	737384-64-4	737384-65-5	737384-66-6	737384-67-7
	737384-68-8	737384-69-9	737384-70-2	737384-71-3	737384-72-4
	737384-73-5	737384-74-6	737384-75-7	737384-76-8	737384-77-9
	737384-78-0	737384-79-1	737384-80-4	737384-81-5	737384-82-6
	737384-83-7	737384-84-8	737384-85-9	737384-86-0	737384-87-1
	737384-88-2	737384-89-3	737384-90-6	737384-91-7	737384-92-8
	737384-93-9	737384-94-0	737384-95-1	737384-96-2	737384-97-3
	737384-98-4	737384-99-5	737385-00-1	737385-01-2	737385-02-3
	737385-03-4	737385-04-5	737385-05-6	737385-06-7	737385-07-8
	737385-08-9	737385-09-0	737385-10-3	737385-11-4	737385-12-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737385-13-6	737385-14-7	737385-15-8	737385-16-9	737385-17-0
	737385-18-1	737385-19-2	737385-20-5	737385-21-6	737385-22-7
	737385-23-8	737385-24-9	737385-25-0	737385-26-1	737385-27-2
	737385-28-3	737385-29-4	737385-30-7	737385-31-8	737385-32-9
	737385-33-0	737385-34-1	737385-35-2	737385-36-3	737385-37-4
	737385-38-5	737385-39-6	737385-40-9	737385-41-0	737385-42-1
	737385-43-2	737385-44-3	737385-45-4	737385-46-5	737385-47-6
	737385-48-7	737385-49-8	737385-50-1	737385-51-2	737385-52-3
	737385-53-4	737385-54-5	737385-55-6	737385-56-7	737385-57-8
	737385-58-9	737385-59-0	737385-60-3	737385-61-4	737385-62-5
	737385-63-6	737385-64-7	737385-65-8	737385-66-9	737385-67-0
	737385-68-1	737385-69-2	737385-70-5	737385-71-6	737385-72-7
	737385-73-8	737385-74-9	737385-75-0	737385-76-1	737385-77-2
	737385-78-3	737385-79-4	737385-80-7	737385-81-8	737385-82-9
	737385-83-0	737385-84-1	737385-85-2	737385-86-3	737385-87-4
	737385-88-5	737385-89-6	737385-90-9	737385-91-0	737385-92-1
	737385-93-2	737385-94-3	737385-95-4	737385-96-5	737385-97-6
	737385-98-7	737385-99-8	737386-00-4	737386-01-5	737386-02-6
	737386-03-7	737386-04-8	737386-05-9	737386-06-0	737386-07-1
	737386-08-2	737386-09-3	737386-10-6	737386-11-7	737386-12-8
	737386-13-9	737386-14-0	737386-15-1	737386-16-2	737386-17-3
	737386-18-4	737386-19-5	737386-20-8	737386-21-9	737386-22-0
	737386-23-1	737386-24-2	737386-25-3	737386-26-4	737386-27-5
	737386-28-6	737386-29-7	737386-30-0	737386-31-1	737386-32-2
	737386-33-3	737386-34-4	737386-35-5	737386-36-6	737386-37-7
	737386-38-8	737386-39-9	737386-40-2	737386-41-3	737386-42-4
	737386-43-5	737386-44-6	737386-45-7	737386-46-8	737386-47-9
	737386-48-0	737386-49-1	737386-50-4	737386-51-5	737386-52-6
	737386-53-7	737386-54-8	737386-55-9	737386-56-0	737386-57-1
	737386-58-2	737386-59-3	737386-60-6	737386-61-7	737386-62-8
	737386-63-9	737386-64-0	737386-65-1	737386-66-2	737386-67-3
	737386-68-4	737386-69-5	737386-70-8	737386-71-9	737386-72-0
	737386-73-1	737386-74-2	737386-75-3	737386-76-4	737386-77-5
	737386-78-6	737386-79-7	737386-80-0	737386-81-1	737386-82-2
	737386-83-3	737386-84-4	737386-85-5	737386-86-6	737386-87-7
	737386-88-8	737386-89-9	737386-90-2	737386-91-3	737386-92-4
	737386-93-5	737386-94-6	737386-95-7	737386-96-8	737386-97-9
	737386-98-0	737386-99-1	737387-00-7	737387-01-8	737387-02-9
	737387-03-0	737387-04-1	737387-05-2	737387-06-3	737387-07-4
	737387-08-5	737387-09-6	737387-10-9	737387-11-0	737387-12-1
	737387-13-2	737387-14-3	737387-15-4	737387-16-5	737387-17-6
	737387-18-7	737387-19-8	737387-20-1	737387-21-2	737387-22-3
	737387-23-4	737387-24-5	737387-25-6	737387-26-7	737387-27-8
	737387-28-9	737387-29-0	737387-30-3	737387-31-4	737387-32-5
	737387-33-6	737387-34-7	737387-35-8	737387-36-9	737387-37-0
	737387-38-1	737387-39-2	737387-40-5	737387-41-6	737387-42-7
	737387-43-8	737387-44-9	737387-45-0	737387-46-1	737387-47-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737387-48-3	737387-49-4	737387-50-7	737387-51-8	737387-52-9
	737387-53-0	737387-54-1	737387-55-2	737387-56-3	737387-57-4
	737387-58-5	737387-59-6	737387-60-9	737387-61-0	737387-62-1
	737387-63-2	737387-64-3	737387-65-4	737387-66-5	737387-67-6
	737387-68-7	737387-69-8	737387-70-1	737387-71-2	737387-72-3
	737387-73-4	737387-74-5	737387-75-6	737387-76-7	737387-77-8
	737387-78-9	737387-79-0	737387-80-3	737387-81-4	737387-82-5
	737387-83-6	737387-84-7	737387-85-8	737387-86-9	737387-87-0
	737387-88-1	737387-89-2	737387-90-5	737387-91-6	737387-92-7
	737387-93-8	737387-94-9	737387-95-0	737387-96-1	737387-97-2
	737387-98-3	737387-99-4	737388-00-0	737388-01-1	737388-02-2
	737388-03-3	737388-04-4	737388-05-5	737388-06-6	737388-07-7
	737388-08-8	737388-09-9	737388-10-2	737388-11-3	737388-12-4
	737388-13-5	737388-14-6	737388-15-7	737388-16-8	737388-17-9
	737388-18-0	737388-19-1	737388-20-4	737388-21-5	737388-22-6

737388-23-7	737388-24-8	737388-25-9	737388-26-0	737388-27-1
737388-28-2	737388-29-3	737388-30-6	737388-31-7	737388-32-8
737388-33-9	737388-34-0	737388-35-1	737388-36-2	737388-37-3
737388-38-4	737388-39-5	737388-40-8	737388-41-9	737388-42-0
737388-43-1	737388-44-2	737388-45-3	737388-46-4	737388-47-5
737388-48-6	737388-49-7	737388-50-0	737388-51-1	737388-52-2
737388-53-3	737388-54-4	737388-55-5	737388-56-6	737388-57-7
737388-58-8	737388-59-9	737388-60-2	737388-61-3	737388-62-4
737388-63-5	737388-64-6	737388-65-7	737388-66-8	737388-67-9
737388-68-0	737388-69-1	737388-70-4	737388-71-5	737388-72-6
737388-73-7	737388-74-8	737388-75-9	737388-76-0	737388-77-1
737388-78-2	737388-79-3	737388-80-6	737388-81-7	737388-82-8
737388-83-9	737388-84-0	737388-85-1	737388-86-2	737388-87-3
737388-88-4	737388-89-5	737388-90-8	737388-91-9	737388-92-0
737388-93-1	737388-94-2	737388-95-3	737388-96-4	737388-97-5
737388-98-6	737388-99-7	737389-00-3	737389-01-4	737389-02-5
737389-03-6	737389-04-7	737389-05-8	737389-06-9	737389-07-0
737389-08-1	737389-09-2	737389-10-5	737389-11-6	737389-12-7
737389-13-8	737389-14-9	737389-15-0	737389-16-1	737389-17-2
737389-18-3	737389-19-4	737389-20-7	737389-21-8	737389-22-9
737389-23-0	737389-24-1	737389-25-2	737389-26-3	737389-27-4
737389-28-5	737389-29-6	737389-30-9	737389-31-0	737389-32-1
737389-33-2	737389-34-3	737389-35-4	737389-36-5	737389-37-6
737389-38-7	737389-39-8	737389-40-1	737389-41-2	737389-42-3
737389-43-4	737389-44-5	737389-45-6	737389-46-7	737389-47-8
737389-48-9	737389-49-0	737389-50-3	737389-51-4	737389-52-5
737389-53-6	737389-54-7	737389-55-8	737389-56-9	737389-57-0
737389-58-1	737389-59-2	737389-60-5	737389-61-6	737389-62-7
737389-63-8	737389-64-9	737389-65-0	737389-66-1	737389-67-2
737389-68-3	737389-69-4	737389-70-7	737389-71-8	737389-72-9
737389-73-0	737389-74-1	737389-75-2	737389-76-3	737389-77-4
737389-78-5	737389-79-6	737389-80-9	737389-81-0	737389-82-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737389-83-2	737389-84-3	737389-85-4	737389-86-5	737389-87-6
	737389-88-7	737389-89-8	737389-90-1	737389-91-2	737389-92-3
	737389-93-4	737389-94-5	737389-95-6	737389-96-7	737389-97-8
	737389-98-9	737389-99-0	737390-00-0	737390-01-1	737390-02-2
	737390-03-3	737390-04-4	737390-05-5	737390-06-6	737390-07-7
	737390-08-8	737390-09-9	737390-10-2	737390-11-3	737390-12-4
	737390-13-5	737390-14-6	737390-15-7	737390-16-8	737390-17-9
	737390-18-0	737390-19-1	737390-20-4	737390-21-5	737390-22-6
	737390-23-7	737390-24-8	737390-25-9	737390-26-0	737390-27-1
	737390-28-2	737390-29-3	737390-30-6	737390-31-7	737390-32-8
	737390-33-9	737390-34-0	737390-35-1	737390-36-2	737390-37-3
	737390-38-4	737390-39-5	737390-40-8	737390-41-9	737390-42-0
	737390-43-1	737390-44-2	737390-45-3	737390-46-4	737390-47-5
	737390-48-6	737390-49-7	737390-50-0	737390-51-1	737390-52-2
	737390-53-3	737390-54-4	737390-55-5	737390-56-6	737390-57-7
	737390-58-8	737390-59-9	737390-60-2	737390-61-3	737390-62-4
	737390-63-5	737390-64-6	737390-65-7	737390-66-8	737390-67-9
	737390-68-0	737390-69-1	737390-70-4	737390-71-5	737390-72-6
	737390-73-7	737390-74-8	737390-75-9	737390-76-0	737390-77-1
	737390-78-2	737390-79-3	737390-80-6	737390-81-7	737390-82-8
	737390-83-9	737390-84-0	737390-85-1	737390-86-2	737390-87-3
	737390-88-4	737390-89-5	737390-90-8	737390-91-9	737390-92-0
	737390-93-1	737390-94-2	737390-95-3	737390-96-4	737390-97-5
	737390-98-6	737390-99-7	737391-00-3	737391-01-4	737391-02-5
	737391-03-6	737391-04-7	737391-05-8	737391-06-9	737391-07-0
	737391-08-1	737391-09-2	737391-10-5	737391-11-6	737391-12-7
	737391-13-8	737391-14-9	737391-15-0	737391-16-1	737391-17-2
	737391-18-3	737391-19-4	737391-20-7	737391-21-8	737391-22-9
	737391-23-0	737391-24-1	737391-25-2	737391-26-3	737391-27-4
	737391-28-5	737391-29-6	737391-30-9	737391-31-0	737391-32-1

737391-33-2	737391-34-3	737391-35-4	737391-36-5	737391-37-6
737391-38-7	737391-39-8	737391-40-1	737391-41-2	737391-42-3
737391-43-4	737391-44-5	737391-45-6	737391-46-7	737391-47-8
737391-48-9	737391-49-0	737391-50-3	737391-51-4	737391-52-5
737391-53-6	737391-54-7	737391-55-8	737391-56-9	737391-57-0
737391-58-1	737391-59-2	737391-60-5	737391-61-6	737391-62-7
737391-63-8	737391-64-9	737391-65-0	737391-66-1	737391-67-2
737391-68-3	737391-69-4	737391-70-7	737391-71-8	737391-72-9
737391-73-0	737391-74-1	737391-75-2	737391-76-3	737391-77-4
737391-78-5	737391-79-6	737391-80-9	737391-81-0	737391-82-1
737391-83-2	737391-84-3	737391-85-4	737391-86-5	737391-87-6
737391-88-7	737391-89-8	737391-90-1	737391-91-2	737391-92-3
737391-93-4	737391-94-5	737391-95-6	737391-96-7	737391-97-8
737391-98-9	737391-99-0	737392-00-6	737392-01-7	737392-02-8
737392-03-9	737392-04-0	737392-05-1	737392-06-2	737392-07-3
737392-08-4	737392-09-5	737392-10-8	737392-11-9	737392-12-0
737392-13-1	737392-14-2	737392-15-3	737392-16-4	737392-17-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737392-18-6	737392-19-7	737392-20-0	737392-21-1	737392-22-2
	737392-23-3	737392-24-4	737392-25-5	737392-26-6	737392-27-7
	737392-28-8	737392-29-9	737392-30-2	737392-31-3	737392-32-4
	737392-33-5	737392-34-6	737392-35-7	737392-36-8	737392-37-9
	737392-38-0	737392-39-1	737392-40-4	737392-41-5	737392-42-6
	737392-43-7	737392-44-8	737392-45-9	737392-46-0	737392-47-1
	737392-48-2	737392-49-3	737392-50-6	737392-51-7	737392-52-8
	737392-53-9	737392-54-0	737392-55-1	737392-56-2	737392-57-3
	737392-58-4	737392-59-5	737392-60-8	737392-61-9	737392-62-0
	737392-63-1	737392-64-2	737392-65-3	737392-66-4	737392-67-5
	737392-68-6	737392-69-7	737392-70-0	737392-71-1	737392-72-2
	737392-73-3	737392-74-4	737392-75-5	737392-76-6	737392-77-7
	737392-78-8	737392-79-9	737392-80-2	737392-81-3	737392-82-4
	737392-83-5	737392-84-6	737392-85-7	737392-86-8	737392-87-9
	737392-88-0	737392-89-1	737392-90-4	737392-91-5	737392-92-6
	737392-93-7	737392-94-8	737392-95-9	737392-96-0	737392-97-1
	737392-98-2	737392-99-3	737393-00-9	737393-01-0	737393-02-1
	737393-03-2	737393-04-3	737393-05-4	737393-06-5	737393-07-6
	737393-08-7	737393-09-8	737393-10-1	737393-11-2	737393-12-3
	737393-13-4	737393-14-5	737393-15-6	737393-16-7	737393-17-8
	737393-18-9	737393-19-0	737393-20-3	737393-21-4	737393-22-5
	737393-23-6	737393-24-7	737393-25-8	737393-26-9	737393-27-0
	737393-28-1	737393-29-2	737393-30-5	737393-31-6	737393-32-7
	737393-33-8	737393-34-9	737393-35-0	737393-36-1	737393-37-2
	737393-38-3	737393-39-4	737393-40-7	737393-41-8	737393-42-9
	737393-43-0	737393-44-1	737393-45-2	737393-46-3	737393-47-4
	737393-48-5	737393-49-6	737393-50-9	737393-51-0	737393-52-1
	737393-53-2	737393-54-3	737393-55-4	737393-56-5	737393-57-6
	737393-58-7	737393-59-8	737393-60-1	737393-61-2	737393-62-3
	737393-63-4	737393-64-5	737393-65-6	737393-66-7	737393-67-8
	737393-68-9	737393-69-0	737393-70-3	737393-71-4	737393-72-5
	737393-73-6	737393-74-7	737393-75-8	737393-76-9	737393-77-0
	737393-78-1	737393-79-2	737393-80-5	737393-81-6	737393-82-7
	737393-83-8	737393-84-9	737393-85-0	737393-86-1	737393-87-2
	737393-88-3	737393-89-4	737393-90-7	737393-91-8	737393-92-9
	737393-93-0	737393-94-1	737393-95-2	737393-96-3	737393-97-4
	737393-98-5	737393-99-6	737394-00-2	737394-01-3	737394-02-4
	737394-03-5	737394-04-6	737394-05-7	737394-06-8	737394-07-9
	737394-08-0	737394-09-1	737394-10-4	737394-11-5	737394-12-6
	737394-13-7	737394-14-8	737394-15-9	737394-16-0	737394-17-1
	737394-18-2	737394-19-3	737394-20-6	737394-21-7	737394-22-8
	737394-23-9	737394-24-0	737394-25-1	737394-26-2	737394-27-3
	737394-28-4	737394-29-5	737394-30-8	737394-31-9	737394-32-0
	737394-33-1	737394-34-2	737394-35-3	737394-36-4	737394-37-5
	737394-38-6	737394-39-7	737394-40-0	737394-41-1	737394-42-2

737394-43-3 737394-44-4 737394-45-5 737394-46-6 737394-47-7  
 737394-48-8 737394-49-9 737394-50-2 737394-51-3 737394-52-4  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	737394-53-5	737394-54-6	737394-55-7	737394-56-8	737394-57-9
	737394-58-0	737394-59-1	737394-60-4	737394-61-5	737394-62-6
	737394-63-7	737394-64-8	737394-65-9	737394-66-0	737394-67-1
	737394-68-2	737394-69-3	737394-70-6	737394-71-7	737394-72-8
	737394-73-9	737394-74-0	737394-75-1	737394-76-2	737394-77-3
	737394-78-4	737394-79-5	737394-80-8	737394-81-9	737394-82-0
	737394-83-1	737394-84-2	737394-85-3	737394-86-4	737394-87-5
	737394-88-6	737394-89-7	737394-90-0	737394-91-1	737394-92-2
	737394-93-3	737394-94-4	737394-95-5	737394-96-6	737394-97-7
	737394-98-8	737394-99-9	737395-00-5	737395-01-6	737395-02-7
	737395-03-8	737395-04-9	737395-05-0	737395-06-1	737395-07-2
	737395-08-3	737395-09-4	737395-10-7	737395-11-8	737395-12-9
	737395-13-0	737395-14-1	737395-15-2	737395-16-3	737395-17-4
	737395-18-5	737395-19-6	737395-20-9	737395-21-0	737395-22-1
	737395-23-2	737395-24-3	737395-25-4	737395-26-5	737395-27-6
	737395-28-7	737395-29-8	737395-30-1	737395-31-2	737395-32-3
	737395-33-4	737395-34-5	737395-35-6	737395-36-7	737395-37-8
	737395-38-9	737395-39-0	737395-40-3	737395-41-4	737395-42-5
	737395-43-6	737395-44-7	737395-45-8	737395-46-9	737395-47-0
	737395-48-1	737395-49-2	737395-50-5	737395-51-6	737395-52-7
	737395-53-8	737395-54-9	737395-55-0	737395-56-1	737395-57-2
	737395-58-3	737395-59-4	737395-60-7	737395-61-8	737395-62-9
	737395-63-0	737395-64-1	737395-65-2	737395-66-3	737395-67-4
	737395-68-5	737395-69-6	737395-70-9	737395-71-0	737395-72-1
	737395-73-2	737395-74-3	737395-75-4	737395-76-5	737395-77-6
	737395-78-7	737395-79-8	737395-80-1	737395-81-2	737395-82-3
	737395-83-4	737395-84-5	737395-85-6	737395-86-7	737395-87-8
	737395-88-9	737395-89-0	737395-90-3	737395-91-4	737395-92-5
	737395-93-6	737395-94-7	737395-95-8	737395-96-9	737395-97-0
	737395-98-1	737395-99-2	737396-00-8	737396-01-9	737396-02-0
	737396-03-1	737396-04-2	737396-05-3	737396-06-4	737396-07-5
	737396-08-6	737396-09-7	737396-10-0	737396-11-1	737396-12-2
	737396-13-3	737396-14-4	737396-15-5	737396-16-6	737396-17-7
	737396-18-8	737396-19-9	737396-20-2	737396-21-3	737396-22-4
	737396-23-5	737396-24-6	737396-25-7	737396-26-8	737396-27-9
	737396-28-0	737396-29-1	737396-30-4	737396-31-5	737396-32-6
	737396-33-7	737396-34-8	737396-35-9	737396-36-0	737396-37-1
	737396-38-2	737396-39-3	737396-40-6	737396-41-7	737396-42-8
	737396-43-9	737396-44-0	737396-45-1	737396-46-2	737396-47-3
	737396-48-4	737396-49-5	737396-50-8	737396-51-9	737396-52-0
	737396-53-1	737396-54-2	737396-55-3	737396-56-4	737396-57-5
	737396-58-6	737396-59-7	737396-60-0	737396-61-1	737396-62-2
	737396-63-3	737396-64-4	737396-65-5	737396-66-6	737396-67-7
	737396-68-8	737396-69-9	737396-70-2	737396-71-3	737396-72-4
	737396-73-5	737396-74-6	737396-75-7	737396-76-8	737396-77-9
	737396-78-0	737396-79-1	737396-80-4	737396-81-5	737396-82-6
	737396-83-7	737396-84-8	737396-85-9	737396-86-0	737396-87-1

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	737396-88-2	737396-89-3	737396-90-6	737396-91-7	737396-92-8
	737396-93-9	737396-94-0	737396-95-1	737396-96-2	737396-97-3
	737396-98-4	737396-99-5	737397-00-1	737397-01-2	737397-02-3
	737397-03-4	737397-04-5	737397-05-6	737397-06-7	737397-07-8
	737397-08-9	737397-09-0	737397-10-3	737397-11-4	737397-12-5
	737397-13-6	737397-14-7	737397-15-8	737397-16-9	737397-17-0
	737397-18-1	737397-19-2	737397-20-5	737397-21-6	737397-22-7
	737397-23-8	737397-24-9	737397-25-0	737397-26-1	737397-27-2
	737397-28-3	737397-29-4	737397-30-7	737397-31-8	737397-32-9

737397-33-0	737397-34-1	737397-35-2	737397-36-3	737397-37-4
737397-38-5	737397-39-6	737397-40-9	737397-41-0	737397-42-1
737397-43-2	737397-44-3	737397-45-4	737397-46-5	737397-47-6
737397-48-7	737397-49-8	737397-50-1	737397-51-2	737397-52-3
737397-53-4	737397-54-5	737397-55-6	737397-56-7	737397-57-8
737397-58-9	737397-59-0	737397-60-3	737397-61-4	737397-62-5
737397-63-6	737397-64-7	737397-65-8	737397-66-9	737397-67-0
737397-68-1	737397-69-2	737397-70-5	737397-71-6	737397-72-7
737397-73-8	737397-74-9	737397-75-0	737397-76-1	737397-77-2
737397-78-3	737397-79-4	737397-80-7	737397-81-8	737397-82-9
737397-83-0	737397-84-1	737397-85-2	737397-86-3	737397-87-4
737397-88-5	737397-89-6	737397-90-9	737397-91-0	737397-92-1
737397-93-2	737397-94-3	737397-95-4	737397-96-5	737397-97-6
737397-98-7	737397-99-8	737398-00-4	737398-01-5	737398-02-6
737398-03-7	737398-04-8	737398-05-9	737398-06-0	737398-07-1
737398-08-2	737398-09-3	737398-10-6	737398-11-7	737398-12-8
737398-13-9	737398-14-0	737398-15-1	737398-16-2	737398-17-3
737398-18-4	737398-19-5	737398-20-8	737398-21-9	737398-22-0
737398-23-1	737398-24-2	737398-25-3	737398-26-4	737398-27-5
737398-28-6	737398-29-7	737398-30-0	737398-31-1	737398-32-2
737398-33-3	737398-34-4	737398-35-5	737398-36-6	737398-37-7
737398-38-8	737398-39-9	737398-40-2	737398-41-3	737398-42-4
737398-43-5	737398-44-6	737398-45-7	737398-46-8	737398-47-9
737398-48-0	737398-49-1	737398-50-4	737398-51-5	737398-52-6
737398-53-7	737398-54-8	737398-55-9	737398-56-0	737398-57-1
737398-58-2	737398-59-3	737398-60-6	737398-61-7	737398-62-8
737398-63-9	737398-64-0	737398-65-1	737398-66-2	737398-67-3
737398-68-4	737398-69-5	737398-70-8	737398-71-9	737398-72-0
737398-73-1	737398-74-2	737398-75-3	737398-76-4	737398-77-5
737398-78-6	737398-79-7	737398-80-0	737398-81-1	737398-82-2
737398-83-3	737398-84-4	737398-85-5	737398-86-6	737398-87-7
737398-88-8	737398-89-9	737398-90-2	737398-91-3	737398-92-4
737398-93-5	737398-94-6	737398-95-7	737398-96-8	737398-97-9
737398-98-0	737398-99-1	737399-00-7	737399-01-8	737399-02-9
737399-03-0	737399-04-1	737399-05-2	737399-06-3	737399-07-4
737399-08-5	737399-09-6	737399-10-9	737399-11-0	737399-12-1
737399-13-2	737399-14-3	737399-15-4	737399-16-5	737399-17-6
737399-18-7	737399-19-8	737399-20-1	737399-21-2	737399-22-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737399-23-4	737399-24-5	737399-25-6	737399-26-7	737399-27-8
737399-28-9	737399-29-0	737399-30-3	737399-31-4	737399-32-5
737399-33-6	737399-34-7	737399-35-8	737399-36-9	737399-37-0
737399-38-1	737399-39-2	737399-40-5	737399-41-6	737399-42-7
737399-43-8	737399-44-9	737399-45-0	737399-46-1	737399-47-2
737399-48-3	737399-49-4	737399-50-7	737399-51-8	737399-52-9
737399-53-0	737399-54-1	737399-55-2	737399-56-3	737399-57-4
737399-58-5	737399-59-6	737399-60-9	737399-61-0	737399-62-1
737399-63-2	737399-64-3	737399-65-4	737399-66-5	737399-67-6
737399-68-7	737399-69-8	737399-70-1	737399-71-2	737399-72-3
737399-73-4	737399-74-5	737399-75-6	737399-76-7	737399-77-8
737399-78-9	737399-79-0	737399-80-3	737399-81-4	737399-82-5
737399-83-6	737399-84-7	737399-85-8	737399-86-9	737399-87-0
737399-88-1	737399-89-2	737399-90-5	737399-91-6	737399-92-7
737399-93-8	737399-94-9	737399-95-0	737399-96-1	737399-97-2
737399-98-3	737399-99-4	737400-00-9	737400-01-0	737400-02-1
737400-03-2	737400-04-3	737400-05-4	737400-06-5	737400-07-6
737400-08-7	737400-09-8	737400-10-1	737400-11-2	737400-12-3
737400-13-4	737400-14-5	737400-15-6	737400-16-7	737400-17-8
737400-18-9	737400-19-0	737400-20-3	737400-21-4	737400-22-5
737400-23-6	737400-25-8	737400-26-9	737400-27-0	737400-29-2
737400-30-5	737400-31-6	737400-32-7	737400-34-9	737400-35-0
737400-36-1	737400-37-2	737400-38-3	737400-39-4	737400-41-8
737400-42-9	737400-43-0	737400-45-2	737400-46-3	737400-47-4

737400-48-5	737400-50-9	737400-51-0	737400-52-1	737400-53-2
737400-54-3	737400-55-4	737400-56-5	737400-57-6	737400-58-7
737400-59-8	737400-60-1	737400-61-2	737400-62-3	737400-63-4
737400-64-5	737400-65-6	737400-66-7	737400-67-8	737400-68-9
737400-69-0	737400-70-3	737400-71-4	737400-72-5	737400-73-6
737400-74-7	737400-75-8	737400-76-9	737400-77-0	737400-78-1
737400-79-2	737400-80-5	737400-81-6	737400-82-7	737400-83-8
737400-84-9	737400-85-0	737400-86-1	737400-87-2	737400-88-3
737400-89-4	737400-90-7	737400-91-8	737400-92-9	737400-93-0
737400-94-1	737400-95-2	737400-96-3	737400-97-4	737400-98-5
737400-99-6	737401-00-2	737401-01-3	737401-02-4	737401-03-5
737401-04-6	737401-05-7	737401-06-8	737401-07-9	737401-08-0
737401-09-1	737401-10-4	737401-11-5	737401-12-6	737401-13-7
737401-14-8	737401-15-9	737401-16-0	737401-17-1	737401-18-2
737401-19-3	737401-20-6	737401-21-7	737401-22-8	737401-23-9
737401-24-0	737401-25-1	737401-26-2	737401-27-3	737401-28-4
737401-29-5	737401-30-8	737401-31-9	737401-32-0	737401-33-1
737401-34-2	737401-35-3	737401-36-4	737401-37-5	737401-38-6
737401-39-7	737401-40-0	737401-41-1	737401-42-2	737401-43-3
737401-44-4	737401-45-5	737401-46-6	737401-47-7	737401-48-8
737401-49-9	737401-50-2	737401-51-3	737401-52-4	737401-53-5
737401-54-6	737401-55-7	737401-56-8	737401-57-9	737401-58-0
737401-59-1	737401-60-4	737401-61-5	737401-62-6	737401-63-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737401-64-8	737401-65-9	737401-66-0	737401-67-1	737401-68-2
	737401-69-3	737401-70-6	737401-71-7	737401-72-8	737401-73-9
	737401-74-0	737401-75-1	737401-76-2	737401-77-3	737401-78-4
	737401-79-5	737401-80-8	737401-81-9	737401-82-0	737401-83-1
	737401-84-2	737401-85-3	737401-86-4	737401-87-5	737401-88-6
	737401-89-7	737401-90-0	737401-91-1	737401-92-2	737401-93-3
	737401-94-4	737401-95-5	737401-96-6	737401-97-7	737401-98-8
	737401-99-9	737402-00-5	737402-01-6	737402-02-7	737402-03-8
	737402-04-9	737402-05-0	737402-06-1	737402-07-2	737402-08-3
	737402-09-4	737402-10-7	737402-11-8	737402-12-9	737402-13-0
	737402-14-1	737402-15-2	737402-16-3	737402-17-4	737402-18-5
	737402-19-6	737402-20-9	737402-21-0	737402-22-1	737402-23-2
	737402-24-3	737402-25-4	737402-26-5	737402-27-6	737402-28-7
	737402-29-8	737402-30-1	737402-31-2	737402-32-3	737402-33-4
	737402-34-5	737402-35-6	737402-36-7	737402-37-8	737402-38-9
	737402-39-0	737402-40-3	737402-41-4	737402-42-5	737402-43-6
	737402-44-7	737402-45-8	737402-46-9	737402-47-0	737402-48-1
	737402-49-2	737402-50-5	737402-51-6	737402-52-7	737402-53-8
	737402-54-9	737402-55-0	737402-56-1	737402-57-2	737402-58-3
	737402-59-4	737402-60-7	737402-61-8	737402-62-9	737402-63-0
	737402-64-1	737402-65-2	737402-66-3	737402-67-4	737402-68-5
	737402-69-6	737402-70-9	737402-71-0	737402-72-1	737402-73-2
	737402-74-3	737402-75-4	737402-76-5	737402-77-6	737402-78-7
	737402-79-8	737402-80-1	737402-81-2	737402-82-3	737402-83-4
	737402-84-5	737402-85-6	737402-86-7	737402-87-8	737402-88-9
	737402-89-0	737402-90-3	737402-91-4	737402-92-5	737402-93-6
	737402-94-7	737402-95-8	737402-96-9	737402-97-0	737402-98-1
	737402-99-2	737403-00-8	737403-01-9	737403-02-0	737403-03-1
	737403-04-2	737403-05-3	737403-06-4	737403-07-5	737403-08-6
	737403-09-7	737403-10-0	737403-11-1	737403-12-2	737403-13-3
	737403-14-4	737403-15-5	737403-16-6	737403-17-7	737403-18-8
	737403-19-9	737403-20-2	737403-21-3	737403-22-4	737403-23-5
	737403-24-6	737403-25-7	737403-26-8	737403-27-9	737403-28-0
	737403-29-1	737403-30-4	737403-31-5	737403-32-6	737403-33-7
	737403-34-8	737403-35-9	737403-36-0	737403-37-1	737403-38-2
	737403-39-3	737403-40-6	737403-41-7	737403-42-8	737403-43-9
	737403-44-0	737403-45-1	737403-46-2	737403-47-3	737403-48-4
	737403-49-5	737403-50-8	737403-51-9	737403-52-0	737403-53-1
	737403-54-2	737403-55-3	737403-56-4	737403-57-5	737403-58-6

737403-59-7	737403-60-0	737403-61-1	737403-62-2	737403-63-3
737403-64-4	737403-65-5	737403-66-6	737403-67-7	737403-68-8
737403-69-9	737403-70-2	737403-71-3	737403-72-4	737403-73-5
737403-74-6	737403-75-7	737403-76-8	737403-77-9	737403-78-0
737403-79-1	737403-80-4	737403-81-5	737403-82-6	737403-83-7
737403-84-8	737403-85-9	737403-86-0	737403-87-1	737403-88-2
737403-89-3	737403-90-6	737403-91-7	737403-92-8	737403-93-9
737403-94-0	737403-95-1	737403-96-2	737403-97-3	737403-98-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737403-99-5	737404-00-1	737404-01-2	737404-02-3	737404-03-4
	737404-04-5	737404-05-6	737404-06-7	737404-07-8	737404-08-9
	737404-09-0	737404-10-3	737404-11-4	737404-12-5	737404-13-6
	737404-14-7	737404-15-8	737404-16-9	737404-17-0	737404-18-1
	737404-19-2	737404-20-5	737404-21-6	737404-22-7	737404-23-8
	737404-24-9	737404-25-0	737404-26-1	737404-27-2	737404-28-3
	737404-29-4	737404-30-7	737404-31-8	737404-32-9	737404-33-0
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	737404-49-8	737404-50-1	737404-51-2	737404-52-3	
	737404-53-4	737404-54-5	737404-55-6	737404-56-7	737404-57-8
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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737408-39-8	737408-40-1	737408-41-2	737408-42-3	737408-43-4
737408-44-5	737408-45-6	737408-46-7	737408-47-8	737408-48-9
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737408-69-4	737408-70-7	737408-71-8	737408-72-9	737408-73-0
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen,

biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; rice nucleic acid mols. and encoded  
proteins and their uses for plant improvement)

IT 737404-49-8

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

RN 737404-49-8 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_9509C.1.pep fragment) (9CI) (CA  
INDEX NAME)

SEQ 1 MAALVQVVAV ALALWCCGAA VVASAAASSP PLVSPKAKPG VRPKLPKTK  
51 LTTITFSPHH KRDTQVCTN TGRRPCVVC PSNCPNKCLV ACAYCLTFCM  
101 CDLFPGTSCG DPRFTGADGN TFYFHGKKEQ DFCIVSDADL HINAHFIGNH  
151 NPAMKRDFTW IQSLGISFGD HRLYIGARRA AEWDDEDDHV QITFDGEPVN  
201 VDAAGAHWV SAALPSLSVS RTDTVNAVAV ELDGVFAITA NAVPITDDDS  
251 RIHHYGKTAK DTLVHLDLGY KFHALSGDVD GVLGQTYRPT YANRLNITAK  
301 MPIMGGADKY RSSGLFSPDC AVSRFHRRRT AGDHVALGFA SRGEARRYS  
351 GCSGEARRLR GLRWRPTSER ASKTRRRRGE AGELHRVERE ESGWPRSSAR  
401 SSQVGGPEEA VARRLPSPPI SSPRRKTPQF RSAGRCALAC RPAPPLCSAL  
451 HHALANRRAL ARRLRPPHT RPPPLCSAGR RALARRLRP PLSPTCRRQS  
501 ISSVHGLVLA QRAVGLVRQR SRRRAWTARPR RPTRRPRRAG TT

L12 ANSWER 16 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:663853 HCAPLUS

DN 141:186008

ED Entered STN: 16 Aug 2004

TI Rice nucleic acid molecules and encoded proteins and their uses for plant  
improvement

IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei;  
Boukharov, Andrey A.; Barbazuk, Brad W.

PA USA

SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.

CODEN: USXXCO

DT Patent

LA English

IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04

INCL 800278000; 435069100; 435200000; 435201000; 435419000; 536023200

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 6, 11

FAN.CNT 27

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
	INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
US 2004123343	NCL	800/278.000 <--
US 2004123343	NCL	800/278.000
	ECLA	C07K014/415 <--

AB The present invention provides 102,483 cDNA sequences and their encoded  
protein sequences from rice (Oryza sativa). Bioinformatic anal.

identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

- ST rice cDNA protein sequence plant transformation
- IT Stress, plant
  - (cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Stress, plant
  - (heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Recombination, genetic
  - (homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Fats and Glyceridic oils, biological studies
  - Growth regulators, plant
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Pathogen
  - (improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Carbohydrates, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Stress, plant
  - (osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Cell cycle
  - Disease resistance, plant
  - Growth and development, plant
  - Herbicides
  - Oryza sativa
  - Photosynthesis, biological
  - Protein sequences
  - Transformation, genetic
  - cDNA library
  - cDNA sequences
    - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Transcription factors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Proteins
  - cDNA
  - RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Embryophyta
  - (transgenic; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT
 

737309-22-7	737309-23-8	737309-24-9	737309-25-0	737309-26-1
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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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737312-62-8	737312-63-9	737312-64-0	737312-65-1	737312-66-2
737312-67-3	737312-68-4	737312-69-5	737312-70-8	737312-71-9
737312-72-0	737312-73-1	737312-74-2	737312-75-3	737312-76-4
737312-77-5	737312-78-6	737312-79-7	737312-80-0	737312-81-1

737312-82-2	737312-83-3	737312-84-4	737312-85-5	737312-86-6
737312-87-7	737312-88-8	737312-89-9	737312-90-2	737312-91-3
737312-92-4	737312-93-5	737312-94-6	737312-95-7	737312-96-8
737312-97-9	737312-98-0	737312-99-1	737313-00-7	737313-01-8
737313-02-9	737313-03-0	737313-04-1	737313-05-2	737313-06-3
737313-07-4	737313-08-5	737313-09-6	737313-10-9	737313-11-0
737313-12-1	737313-13-2	737313-14-3	737313-15-4	737313-16-5
737313-17-6	737313-18-7	737313-19-8	737313-20-1	737313-21-2
737313-22-3	737313-23-4	737313-24-5	737313-25-6	737313-26-7
737313-27-8	737313-28-9	737313-29-0	737313-30-3	737313-31-4
737313-32-5	737313-33-6	737313-34-7	737313-35-8	737313-36-9
737313-37-0	737313-38-1	737313-39-2	737313-40-5	737313-41-6
737313-42-7	737313-43-8	737313-44-9	737313-45-0	737313-46-1
737313-47-2	737313-48-3	737313-49-4	737313-50-7	737313-51-8
737313-52-9	737313-53-0	737313-54-1	737313-55-2	737313-56-3
737313-57-4	737313-58-5	737313-59-6	737313-60-9	737313-61-0
737313-62-1	737313-63-2	737313-64-3	737313-65-4	737313-66-5
737313-67-6	737313-68-7	737313-69-8	737313-70-1	737313-71-2
737313-72-3	737313-73-4	737313-74-5	737313-75-6	737313-76-7
737313-77-8	737313-78-9	737313-79-0	737313-80-3	737313-81-4
737313-82-5	737313-83-6	737313-84-7	737313-85-8	737313-86-9
737313-87-0	737313-88-1	737313-89-2	737313-90-5	737313-91-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737313-92-7	737313-93-8	737313-94-9	737313-95-0	737313-96-1
	737313-97-2	737313-98-3	737313-99-4	737314-00-0	737314-01-1
	737314-02-2	737314-03-3	737314-04-4	737314-05-5	737314-06-6
	737314-07-7	737314-08-8	737314-09-9	737314-10-2	737314-11-3
	737314-12-4	737314-13-5	737314-14-6	737314-15-7	737314-16-8
	737314-17-9	737314-18-0	737314-19-1	737314-20-4	737314-21-5
	737314-22-6	737314-23-7	737314-24-8	737314-25-9	737314-26-0
	737314-27-1	737314-28-2	737314-29-3	737314-30-6	737314-31-7
	737314-32-8	737314-33-9	737314-34-0	737314-35-1	737314-36-2
	737314-37-3	737314-38-4	737314-39-5	737314-40-8	737314-41-9
	737314-42-0	737314-43-1	737314-44-2	737314-45-3	737314-46-4
	737314-47-5	737314-48-6	737314-49-7	737314-50-0	737314-51-1
	737314-52-2	737314-53-3	737314-54-4	737314-55-5	737314-56-6
	737314-57-7	737314-58-8	737314-59-9	737314-60-2	737314-61-3
	737314-62-4	737314-63-5	737314-64-6	737314-65-7	737314-66-8
	737314-67-9	737314-68-0	737314-69-1	737314-70-4	737314-71-5
	737314-72-6	737314-73-7	737314-74-8	737314-75-9	737314-76-0
	737314-77-1	737314-78-2	737314-79-3	737314-80-6	737314-81-7
	737314-82-8	737314-83-9	737314-84-0	737314-85-1	737314-86-2
	737314-87-3	737314-88-4	737314-89-5	737314-90-8	737314-91-9
	737314-92-0	737314-93-1	737314-94-2	737314-95-3	737314-96-4
	737314-97-5	737314-98-6	737314-99-7	737315-00-3	737315-01-4
	737315-02-5	737315-03-6	737315-04-7	737315-05-8	737315-06-9
	737315-07-0	737315-08-1	737315-09-2	737315-10-5	737315-11-6
	737315-12-7	737315-13-8	737315-14-9	737315-15-0	737315-16-1
	737315-17-2	737315-18-3	737315-19-4	737315-20-7	737315-21-8
	737315-22-9	737315-23-0	737315-24-1	737315-25-2	737315-26-3
	737315-27-4	737315-28-5	737315-29-6	737315-31-0	737315-32-1
	737315-33-2	737315-34-3	737315-35-4	737315-36-5	737315-37-6
	737315-38-7	737315-39-8	737315-40-1	737315-41-2	737315-42-3
	737315-43-4	737315-44-5	737315-45-6	737315-46-7	737315-47-8
	737315-48-9	737315-49-0	737315-50-3	737315-51-4	737315-52-5
	737315-53-6	737315-54-7	737315-55-8	737315-56-9	737315-57-0
	737315-58-1	737315-59-2	737315-60-5	737315-61-6	737315-62-7
	737315-63-8	737315-64-9	737315-65-0	737315-66-1	737315-67-2
	737315-68-3	737315-69-4	737315-70-7	737315-71-8	737315-72-9
	737315-73-0	737315-74-1	737315-75-2	737315-76-3	737315-77-4
	737315-78-5	737315-79-6	737315-80-9	737315-81-0	737315-82-1
	737315-83-2	737315-84-3	737315-85-4	737315-86-5	737315-87-6
	737315-88-7	737315-89-8	737315-90-1	737315-91-2	737315-92-3

737315-93-4	737315-94-5	737315-95-6	737315-96-7	737315-97-8
737315-98-9	737315-99-0	737316-00-6	737316-01-7	737316-02-8
737316-03-9	737316-04-0	737316-05-1	737316-06-2	737316-07-3
737316-08-4	737316-09-5	737316-10-8	737316-11-9	737316-12-0
737316-13-1	737316-14-2	737316-15-3	737316-16-4	737316-17-5
737316-18-6	737316-19-7	737316-20-0	737316-21-1	737316-22-2
737316-23-3	737316-24-4	737316-25-5	737316-26-6	737316-27-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737316-28-8	737316-29-9	737316-30-2	737316-31-3	737316-32-4
	737316-33-5	737316-34-6	737316-35-7	737316-36-8	737316-37-9
	737316-38-0	737316-39-1	737316-40-4	737316-41-5	737316-42-6
	737316-43-7	737316-44-8	737316-45-9	737316-46-0	737316-47-1
	737316-48-2	737316-49-3	737316-50-6	737316-51-7	737316-52-8
	737316-53-9	737316-54-0	737316-55-1	737316-56-2	737316-57-3
	737316-58-4	737316-59-5	737316-60-8	737316-61-9	737316-62-0
	737316-63-1	737316-64-2	737316-65-3	737316-66-4	737316-67-5
	737316-68-6	737316-69-7	737316-70-0	737316-71-1	737316-72-2
	737316-73-3	737316-74-4	737316-75-5	737316-76-6	737316-77-7
	737316-78-8	737316-79-9	737316-80-2	737316-81-3	737316-82-4
	737316-83-5	737316-84-6	737316-85-7	737316-86-8	737316-87-9
	737316-88-0	737316-89-1	737316-90-4	737316-91-5	737316-92-6
	737316-93-7	737316-94-8	737316-95-9	737316-96-0	737316-97-1
	737316-98-2	737316-99-3	737317-00-9	737317-01-0	737317-02-1
	737317-03-2	737317-04-3	737317-05-4	737317-06-5	737317-07-6
	737317-08-7	737317-09-8	737317-10-1	737317-11-2	737317-12-3
	737317-13-4	737317-14-5	737317-15-6	737317-16-7	737317-17-8
	737317-18-9	737317-19-0	737317-20-3	737317-21-4	737317-22-5
	737317-23-6	737317-24-7	737317-25-8	737317-26-9	737317-27-0
	737317-28-1	737317-29-2	737317-30-5	737317-31-6	737317-32-7
	737317-33-8	737317-34-9	737317-35-0	737317-36-1	737317-37-2
	737317-38-3	737317-39-4	737317-40-7	737317-41-8	737317-42-9
	737317-43-0	737317-44-1	737317-45-2	737317-46-3	737317-47-4
	737317-48-5	737317-49-6	737317-50-9	737317-51-0	737317-52-1
	737317-53-2	737317-54-3	737317-55-4	737317-56-5	737317-57-6
	737317-58-7	737317-59-8	737317-60-1	737317-61-2	737317-62-3
	737317-63-4	737317-64-5	737317-65-6	737317-66-7	737317-67-8
	737317-68-9	737317-69-0	737317-70-3	737317-71-4	737317-72-5
	737317-73-6	737317-74-7	737317-75-8	737317-76-9	737317-77-0
	737317-78-1	737317-79-2	737317-80-5	737317-81-6	737317-82-7
	737317-83-8	737317-84-9	737317-85-0	737317-86-1	737317-87-2
	737317-88-3	737317-89-4	737317-90-7	737317-91-8	737317-92-9
	737317-93-0	737317-94-1	737317-95-2	737317-96-3	737317-97-4
	737317-98-5	737317-99-6	737318-00-2	737318-01-3	737318-02-4
	737318-03-5	737318-04-6	737318-05-7	737318-06-8	737318-07-9
	737318-08-0	737318-09-1	737318-10-4	737318-11-5	737318-12-6
	737318-13-7	737318-14-8	737318-15-9	737318-16-0	737318-17-1
	737318-18-2	737318-19-3	737318-20-6	737318-21-7	737318-22-8
	737318-23-9	737318-24-0	737318-25-1	737318-26-2	737318-27-3
	737318-28-4	737318-29-5	737318-30-8	737318-31-9	737318-32-0
	737318-33-1	737318-34-2	737318-35-3	737318-36-4	737318-37-5
	737318-38-6	737318-39-7	737318-40-0	737318-41-1	737318-42-2
	737318-43-3	737318-44-4	737318-45-5	737318-46-6	737318-47-7
	737318-48-8	737318-49-9	737318-50-2	737318-51-3	737318-52-4
	737318-53-5	737318-54-6	737318-55-7	737318-56-8	737318-57-9
	737318-58-0	737318-59-1	737318-60-4	737318-61-5	737318-62-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737318-63-7	737318-64-8	737318-65-9	737318-66-0	737318-67-1
	737318-68-2	737318-69-3	737318-70-6	737318-71-7	737318-72-8
	737318-73-9	737318-74-0	737318-75-1	737318-76-2	737318-77-3
	737318-78-4	737318-79-5	737318-80-8	737318-81-9	737318-82-0

737318-83-1	737318-84-2	737318-85-3	737318-86-4	737318-87-5
737318-88-6	737318-89-7	737318-90-0	737318-91-1	737318-92-2
737318-93-3	737318-94-4	737318-95-5	737318-96-6	737318-97-7
737318-98-8	737318-99-9	737319-00-5	737319-01-6	737319-02-7
737319-03-8	737319-04-9	737319-05-0	737319-06-1	737319-07-2
737319-08-3	737319-09-4	737319-10-7	737319-11-8	737319-12-9
737319-13-0	737319-14-1	737319-15-2	737319-16-3	737319-17-4
737319-18-5	737319-19-6	737319-20-9	737319-21-0	737319-22-1
737319-23-2	737319-24-3	737319-25-4	737319-26-5	737319-27-6
737319-28-7	737319-29-8	737319-30-1	737319-31-2	737319-32-3
737319-33-4	737319-34-5	737319-35-6	737319-36-7	737319-37-8
737319-38-9	737319-39-0	737319-40-3	737319-41-4	737319-42-5
737319-43-6	737319-44-7	737319-45-8	737319-46-9	737319-47-0
737319-48-1	737319-49-2	737319-50-5	737319-51-6	737319-52-7
737319-53-8	737319-54-9	737319-55-0	737319-56-1	737319-57-2
737319-58-3	737319-59-4	737319-60-7	737319-61-8	737319-62-9
737319-63-0	737319-64-1	737319-65-2	737319-66-3	737319-67-4
737319-68-5	737319-69-6	737319-70-9	737319-71-0	737319-72-1
737319-73-2	737319-74-3	737319-75-4	737319-76-5	737319-77-6
737319-78-7	737319-79-8	737319-80-1	737319-81-2	737319-82-3
737319-83-4	737319-84-5	737319-85-6	737319-86-7	737319-87-8
737319-88-9	737319-89-0	737319-90-3	737319-91-4	737319-92-5
737319-93-6	737319-94-7	737319-95-8	737319-96-9	737319-97-0
737319-98-1	737319-99-2	737320-00-2	737320-01-3	737320-02-4
737320-03-5	737320-04-6	737320-05-7	737320-06-8	737320-07-9
737320-08-0	737320-09-1	737320-10-4	737320-11-5	737320-12-6
737320-13-7	737320-14-8	737320-15-9	737320-16-0	737320-17-1
737320-18-2	737320-19-3	737320-20-6	737320-21-7	737320-22-8
737320-23-9	737320-24-0	737320-25-1	737320-26-2	737320-27-3
737320-28-4	737320-29-5	737320-30-8	737320-31-9	737320-32-0
737320-33-1	737320-34-2	737320-35-3	737320-36-4	737320-37-5
737320-38-6	737320-39-7	737320-40-0	737320-41-1	737320-42-2
737320-43-3	737320-44-4	737320-45-5	737320-46-6	737320-47-7
737320-48-8	737320-49-9	737320-50-2	737320-51-3	737320-52-4
737320-53-5	737320-54-6	737320-55-7	737320-56-8	737320-57-9
737320-58-0	737320-59-1	737320-60-4	737320-61-5	737320-62-6
737320-63-7	737320-64-8	737320-65-9	737320-66-0	737320-67-1
737320-68-2	737320-69-3	737320-70-6	737320-71-7	737320-72-8
737320-73-9	737320-74-0	737320-75-1	737320-76-2	737320-77-3
737320-78-4	737320-79-5	737320-80-8	737320-81-9	737320-82-0
737320-83-1	737320-84-2	737320-85-3	737320-86-4	737320-87-5
737320-88-6	737320-89-7	737320-90-0	737320-91-1	737320-92-2
737320-93-3	737320-94-4	737320-95-5	737320-96-6	737320-97-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737320-98-8	737320-99-9	737321-00-5	737321-01-6	737321-02-7
	737321-03-8	737321-04-9	737321-05-0	737321-06-1	737321-07-2
	737321-08-3	737321-09-4	737321-10-7	737321-11-8	737321-12-9
	737321-13-0	737321-14-1	737321-15-2	737321-16-3	737321-17-4
	737321-18-5	737321-19-6	737321-20-9	737321-21-0	737321-22-1
	737321-23-2	737321-24-3	737321-25-4	737321-26-5	737321-27-6
	737321-28-7	737321-29-8	737321-30-1	737321-31-2	737321-32-3
	737321-33-4	737321-34-5	737321-35-6	737321-36-7	737321-37-8
	737321-38-9	737321-39-0	737321-40-3	737321-41-4	737321-42-5
	737321-43-6	737321-44-7	737321-45-8	737321-46-9	737321-47-0
	737321-48-1	737321-49-2	737321-50-5	737321-51-6	737321-52-7
	737321-53-8	737321-54-9	737321-55-0	737321-56-1	737321-57-2
	737321-58-3	737321-59-4	737321-60-7	737321-61-8	737321-62-9
	737321-63-0	737321-64-1	737321-65-2	737321-66-3	737321-67-4
	737321-68-5	737321-69-6	737321-70-9	737321-71-0	737321-72-1
	737321-73-2	737321-74-3	737321-75-4	737321-76-5	737321-77-6
	737321-78-7	737321-79-8	737321-80-1	737321-81-2	737321-82-3
	737321-83-4	737321-84-5	737321-85-6	737321-86-7	737321-87-8
	737321-88-9	737321-89-0	737321-90-3	737321-91-4	737321-92-5

737321-93-6	737321-94-7	737321-95-8	737321-96-9	737321-97-0
737321-98-1	737321-99-2	737322-00-8	737322-01-9	737322-02-0
737322-03-1	737322-04-2	737322-05-3	737322-06-4	737322-07-5
737322-08-6	737322-09-7	737322-10-0	737322-11-1	737322-12-2
737322-13-3	737322-14-4	737322-15-5	737322-16-6	737322-17-7
737322-18-8	737322-19-9	737322-20-2	737322-21-3	737322-22-4
737322-23-5	737322-24-6	737322-25-7	737322-26-8	737322-27-9
737322-28-0	737322-29-1	737322-30-4	737322-31-5	737322-32-6
737322-33-7	737322-34-8	737322-35-9	737322-36-0	737322-37-1
737322-38-2	737322-39-3	737322-40-6	737322-41-7	737322-42-8
737322-43-9	737322-44-0	737322-45-1	737322-46-2	737322-47-3
737322-48-4	737322-49-5	737322-50-8	737322-51-9	737322-52-0
737322-53-1	737322-54-2	737322-55-3	737322-56-4	737322-57-5
737322-58-6	737322-59-7	737322-60-0	737322-61-1	737322-62-2
737322-63-3	737322-64-4	737322-65-5	737322-66-6	737322-67-7
737322-68-8	737322-69-9	737322-70-2	737322-71-3	737322-72-4
737322-73-5	737322-74-6	737322-75-7	737322-76-8	737322-77-9
737322-78-0	737322-79-1	737322-80-4	737322-81-5	737322-82-6
737322-83-7	737322-84-8	737322-85-9	737322-86-0	737322-87-1
737322-88-2	737322-89-3	737322-90-6	737322-91-7	737322-92-8
737322-93-9	737322-94-0	737322-95-1	737322-96-2	737322-97-3
737322-98-4	737322-99-5	737323-00-1	737323-01-2	737323-02-3
737323-03-4	737323-04-5	737323-05-6	737323-06-7	737323-07-8
737323-08-9	737323-09-0	737323-10-3	737323-11-4	737323-12-5
737323-13-6	737323-14-7	737323-15-8	737323-16-9	737323-17-0
737323-18-1	737323-19-2	737323-20-5	737323-21-6	737323-22-7
737323-23-8	737323-24-9	737323-25-0	737323-26-1	737323-27-2
737323-28-3	737323-29-4	737323-30-7	737323-31-8	737323-32-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737323-33-0	737323-34-1	737323-35-2	737323-36-3	737323-37-4
737323-38-5	737323-39-6	737323-40-9	737323-41-0	737323-42-1
737323-43-2	737323-44-3	737323-45-4	737323-46-5	737323-47-6
737323-48-7	737323-49-8	737323-50-1	737323-51-2	737323-52-3
737323-53-4	737323-54-5	737323-55-6	737323-56-7	737323-57-8
737323-58-9	737323-59-0	737323-60-3	737323-61-4	737323-62-5
737323-63-6	737323-64-7	737323-65-8	737323-66-9	737323-67-0
737323-68-1	737323-69-2	737323-70-5	737323-71-6	737323-72-7
737323-73-8	737323-74-9	737323-75-0	737323-76-1	737323-77-2
737323-78-3	737323-79-4	737323-80-7	737323-81-8	737323-82-9
737323-83-0	737323-84-1	737323-85-2	737323-86-3	737323-87-4
737323-88-5	737323-89-6	737323-90-9	737323-91-0	737323-92-1
737323-93-2	737323-94-3	737323-95-4	737323-96-5	737323-97-6
737323-98-7	737323-99-8	737324-00-4	737324-01-5	737324-02-6
737324-03-7	737324-04-8	737324-05-9	737324-06-0	737324-07-1
737324-08-2	737324-09-3	737324-10-6	737324-11-7	737324-12-8
737324-13-9	737324-14-0	737324-15-1	737324-16-2	737324-17-3
737324-18-4	737324-19-5	737324-20-8	737324-21-9	
737324-22-0	737324-23-1	737324-24-2	737324-25-3	737324-26-4
737324-27-5	737324-28-6	737324-29-7	737324-30-0	737324-31-1
737324-32-2	737324-33-3	737324-34-4	737324-35-5	737324-36-6
737324-37-7	737324-38-8	737324-39-9	737324-40-2	737324-41-3
737324-42-4	737324-43-5	737324-44-6	737324-45-7	737324-46-8
737324-47-9	737324-48-0	737324-49-1	737324-50-4	737324-51-5
737324-52-6	737324-53-7	737324-54-8	737324-55-9	737324-56-0
737324-57-1	737324-58-2	737324-59-3	737324-60-6	737324-61-7
737324-62-8	737324-63-9	737324-64-0	737324-65-1	737324-66-2
737324-67-3	737324-68-4	737324-69-5	737324-70-8	737324-71-9
737324-72-0	737324-73-1	737324-74-2	737324-75-3	737324-76-4
737324-77-5	737324-78-6	737324-79-7	737324-80-0	737324-81-1
737324-82-2	737324-83-3	737324-84-4	737324-85-5	737324-86-6
737324-87-7	737324-88-8	737324-89-9	737324-90-2	737324-91-3
737324-92-4	737324-93-5	737324-94-6	737324-95-7	737324-96-8
737324-97-9	737324-98-0	737324-99-1	737325-00-7	737325-01-8

737325-02-9	737325-03-0	737325-04-1	737325-05-2	737325-06-3
737325-07-4	737325-08-5	737325-09-6	737325-10-9	737325-11-0
737325-12-1	737325-13-2	737325-14-3	737325-15-4	737325-16-5
737325-17-6	737325-18-7	737325-19-8	737325-20-1	737325-21-2
737325-22-3	737325-23-4	737325-24-5	737325-25-6	737325-26-7
737325-27-8	737325-28-9	737325-29-0	737325-30-3	737325-31-4
737325-32-5	737325-33-6	737325-34-7	737325-35-8	737325-36-9
737325-37-0	737325-38-1	737325-39-2	737325-40-5	737325-41-6
737325-42-7	737325-43-8	737325-44-9	737325-45-0	737325-46-1
737325-47-2	737325-48-3	737325-49-4	737325-50-7	737325-51-8
737325-52-9	737325-53-0	737325-54-1	737325-55-2	737325-56-3
737325-57-4	737325-58-5	737325-59-6	737325-60-9	737325-61-0
737325-62-1	737325-63-2	737325-64-3	737325-65-4	737325-66-5
737325-67-6				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737325-68-7	737325-69-8	737325-70-1	737325-71-2	737325-72-3
	737325-73-4	737325-74-5	737325-75-6	737325-76-7	737325-77-8
	737325-78-9	737325-79-0	737325-80-3	737325-81-4	737325-82-5
	737325-83-6	737325-84-7	737325-85-8	737325-86-9	737325-87-0
	737325-88-1	737325-89-2	737325-90-5	737325-91-6	737325-92-7
	737325-93-8	737325-94-9	737325-95-0	737325-96-1	737325-97-2
	737325-98-3	737325-99-4	737326-00-0	737326-01-1	737326-02-2
	737326-03-3	737326-04-4	737326-05-5	737326-06-6	737326-07-7
	737326-08-8	737326-09-9	737326-10-2	737326-11-3	737326-12-4
	737326-13-5	737326-14-6	737326-15-7	737326-16-8	737326-17-9
	737326-18-0	737326-19-1	737326-20-4	737326-21-5	737326-22-6
	737326-23-7	737326-24-8	737326-25-9	737326-26-0	737326-27-1
	737326-28-2	737326-29-3	737326-30-6	737326-31-7	737326-32-8
	737326-33-9	737326-34-0	737326-35-1	737326-36-2	737326-37-3
	737326-38-4	737326-39-5	737326-40-8	737326-41-9	737326-42-0
	737326-43-1	737326-44-2	737326-45-3	737326-46-4	737326-47-5
	737326-48-6	737326-49-7	737326-50-0	737326-51-1	737326-52-2
	737326-53-3	737326-54-4	737326-55-5	737326-56-6	737326-57-7
	737326-58-8	737326-59-9	737326-60-2	737326-61-3	737326-62-4
	737326-63-5	737326-64-6	737326-65-7	737326-66-8	737326-67-9
	737326-68-0	737326-69-1	737326-70-4	737326-71-5	737326-72-6
	737326-73-7	737326-74-8	737326-75-9	737326-76-0	737326-77-1
	737326-78-2	737326-79-3	737326-80-6	737326-81-7	737326-82-8
	737326-83-9	737326-84-0	737326-85-1	737326-86-2	737326-87-3
	737326-88-4	737326-89-5	737326-90-8	737326-91-9	737326-92-0
	737326-93-1	737326-94-2	737326-95-3	737326-96-4	737326-97-5
	737326-98-6	737326-99-7	737327-00-3	737327-01-4	737327-02-5
	737327-03-6	737327-04-7	737327-05-8	737327-06-9	737327-07-0
	737327-08-1	737327-09-2	737327-10-5	737327-11-6	737327-12-7
	737327-13-8	737327-14-9	737327-15-0	737327-16-1	737327-17-2
	737327-18-3	737327-19-4	737327-20-7	737327-21-8	737327-22-9
	737327-23-0	737327-24-1	737327-25-2	737327-26-3	737327-27-4
	737327-28-5	737327-29-6	737327-30-9	737327-31-0	737327-32-1
	737327-33-2	737327-34-3	737327-35-4	737327-36-5	737327-37-6
	737327-38-7	737327-39-8	737327-40-1	737327-41-2	737327-42-3
	737327-43-4	737327-44-5	737327-45-6	737327-46-7	737327-47-8
	737327-48-9	737327-49-0	737327-50-3	737327-51-4	737327-52-5
	737327-53-6	737327-54-7	737327-55-8	737327-56-9	737327-57-0
	737327-58-1	737327-59-2	737327-60-5	737327-61-6	737327-62-7
	737327-63-8	737327-64-9	737327-65-0	737327-66-1	737327-67-2
	737327-68-3	737327-69-4	737327-70-7	737327-71-8	737327-72-9
	737327-73-0	737327-74-1	737327-75-2	737327-76-3	737327-77-4
	737327-78-5	737327-79-6	737327-80-9	737327-81-0	737327-82-1
	737327-83-2	737327-84-3	737327-85-4	737327-86-5	737327-87-6
	737327-88-7	737327-89-8	737327-90-1	737327-91-2	737327-92-3
	737327-93-4	737327-94-5	737327-95-6	737327-96-7	737327-97-8
	737327-98-9	737327-99-0	737328-00-6	737328-01-7	737328-02-8

RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737328-03-9	737328-04-0	737328-05-1	737328-06-2	737328-07-3
	737328-08-4	737328-09-5	737328-10-8	737328-11-9	737328-12-0
	737328-13-1	737328-14-2	737328-15-3	737328-16-4	737328-17-5
	737328-18-6	737328-19-7	737328-20-0	737328-21-1	737328-22-2
	737328-23-3	737328-24-4	737328-25-5	737328-26-6	737328-27-7
	737328-28-8	737328-29-9	737328-30-2	737328-31-3	737328-32-4
	737328-33-5	737328-34-6	737328-35-7	737328-36-8	737328-37-9
	737328-38-0	737328-39-1	737328-40-4	737328-41-5	737328-42-6
	737328-43-7	737328-44-8	737328-45-9	737328-46-0	737328-47-1
	737328-48-2	737328-49-3	737328-50-6	737328-51-7	737328-52-8
	737328-53-9	737328-54-0	737328-55-1	737328-56-2	737328-57-3
	737328-58-4	737328-59-5	737328-60-8	737328-61-9	737328-62-0
	737328-63-1	737328-64-2	737328-65-3	737328-66-4	737328-67-5
	737328-68-6	737328-69-7	737328-70-0	737328-71-1	737328-72-2
	737328-73-3	737328-74-4	737328-75-5	737328-76-6	737328-77-7
	737328-78-8	737328-79-9	737328-80-2	737328-81-3	737328-82-4
	737328-83-5	737328-84-6	737328-85-7	737328-86-8	737328-87-9
	737328-88-0	737328-89-1	737328-90-4	737328-91-5	737328-92-6
	737328-93-7	737328-94-8	737328-95-9	737328-96-0	737328-97-1
	737328-98-2	737328-99-3	737329-00-9	737329-01-0	737329-02-1
	737329-03-2	737329-04-3	737329-05-4	737329-06-5	737329-07-6
	737329-08-7	737329-09-8	737329-10-1	737329-11-2	737329-12-3
	737329-13-4	737329-14-5	737329-15-6	737329-16-7	737329-17-8
	737329-18-9	737329-19-0	737329-20-3	737329-21-4	737329-22-5
	737329-23-6	737329-24-7	737329-25-8	737329-26-9	737329-27-0
	737329-28-1	737329-29-2	737329-30-5	737329-31-6	737329-32-7
	737329-33-8	737329-34-9	737329-35-0	737329-36-1	737329-37-2
	737329-38-3	737329-39-4	737329-40-7	737329-41-8	737329-42-9
	737329-43-0	737329-44-1	737329-45-2	737329-46-3	737329-47-4
	737329-48-5	737329-49-6	737329-50-9	737329-51-0	737329-52-1
	737329-53-2	737329-54-3	737329-55-4	737329-56-5	737329-57-6
	737329-58-7	737329-59-8	737329-60-1	737329-61-2	737329-62-3
	737329-63-4	737329-64-5	737329-65-6	737329-66-7	737329-67-8
	737329-68-9	737329-69-0	737329-70-3	737329-71-4	737329-72-5
	737329-73-6	737329-74-7	737329-75-8	737329-76-9	737329-77-0
	737329-78-1	737329-79-2	737329-80-5	737329-81-6	737329-82-7
	737329-83-8	737329-84-9	737329-85-0	737329-86-1	737329-87-2
	737329-88-3	737329-89-4	737329-90-7	737329-91-8	737329-92-9
	737329-93-0	737329-94-1	737329-95-2	737329-96-3	737329-97-4
	737329-98-5	737329-99-6	737330-00-6	737330-01-7	737330-02-8
	737330-03-9	737330-04-0	737330-05-1	737330-06-2	737330-07-3
	737330-08-4	737330-09-5	737330-10-8	737330-11-9	737330-12-0
	737330-13-1	737330-14-2	737330-15-3	737330-16-4	737330-17-5
	737330-18-6	737330-19-7	737330-20-0	737330-21-1	737330-22-2
	737330-23-3	737330-24-4	737330-25-5	737330-26-6	737330-27-7
	737330-28-8	737330-29-9	737330-30-2	737330-31-3	737330-32-4
	737330-33-5	737330-34-6	737330-35-7	737330-36-8	737330-37-9

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737330-38-0	737330-39-1	737330-40-4	737330-41-5	737330-42-6
	737330-43-7	737330-44-8	737330-45-9	737330-46-0	737330-47-1
	737330-48-2	737330-49-3	737330-50-6	737330-51-7	737330-52-8
	737330-53-9	737330-54-0	737330-55-1	737330-56-2	737330-57-3
	737330-58-4	737330-59-5	737330-60-8	737330-61-9	737330-62-0
	737330-63-1	737330-64-2	737330-65-3	737330-66-4	737330-67-5
	737330-68-6	737330-69-7	737330-70-0	737330-71-1	737330-72-2
	737330-73-3	737330-74-4	737330-75-5	737330-76-6	737330-77-7
	737330-78-8	737330-79-9	737330-80-2	737330-81-3	737330-82-4
	737330-83-5	737330-84-6	737330-85-7	737330-86-8	737330-87-9
	737330-88-0	737330-89-1	737330-90-4	737330-91-5	737330-92-6
	737330-93-7	737330-94-8	737330-95-9	737330-96-0	737330-97-1

737330-98-2	737330-99-3	737331-00-9	737331-01-0	737331-02-1
737331-03-2	737331-04-3	737331-05-4	737331-06-5	737331-07-6
737331-08-7	737331-09-8	737331-10-1	737331-11-2	737331-12-3
737331-13-4	737331-14-5	737331-15-6	737331-16-7	737331-17-8
737331-18-9	737331-19-0	737331-20-3	737331-21-4	737331-22-5
737331-23-6	737331-24-7	737331-25-8	737331-26-9	737331-27-0
737331-28-1	737331-29-2	737331-30-5	737331-31-6	737331-32-7
737331-33-8	737331-34-9	737331-35-0	737331-36-1	737331-37-2
737331-38-3	737331-39-4	737331-40-7	737331-41-8	737331-42-9
737331-43-0	737331-44-1	737331-45-2	737331-46-3	737331-47-4
737331-48-5	737331-49-6	737331-50-9	737331-51-0	737331-52-1
737331-53-2	737331-54-3	737331-55-4	737331-56-5	737331-57-6
737331-58-7	737331-59-8	737331-60-1	737331-61-2	737331-62-3
737331-63-4	737331-64-5	737331-65-6	737331-66-7	737331-67-8
737331-68-9	737331-69-0	737331-70-3	737331-71-4	737331-72-5
737331-73-6	737331-74-7	737331-75-8	737331-76-9	737331-77-0
737331-78-1	737331-79-2	737331-80-5	737331-81-6	737331-82-7
737331-83-8	737331-84-9	737331-85-0	737331-86-1	737331-87-2
737331-88-3	737331-89-4	737331-90-7	737331-91-8	737331-92-9
737331-93-0	737331-94-1	737331-95-2	737331-96-3	737331-97-4
737331-98-5	737331-99-6	737332-00-2	737332-01-3	737332-02-4
737332-03-5	737332-04-6	737332-05-7	737332-06-8	737332-07-9
737332-08-0	737332-09-1	737332-10-4	737332-11-5	737332-12-6
737332-13-7	737332-14-8	737332-15-9	737332-16-0	737332-17-1
737332-18-2	737332-19-3	737332-20-6	737332-21-7	737332-22-8
737332-23-9	737332-24-0	737332-25-1	737332-26-2	737332-27-3
737332-28-4	737332-29-5	737332-30-8	737332-31-9	737332-32-0
737332-33-1	737332-34-2	737332-35-3	737332-36-4	737332-37-5
737332-38-6	737332-39-7	737332-40-0	737332-41-1	737332-42-2
737332-43-3	737332-44-4	737332-45-5	737332-46-6	737332-47-7
737332-48-8	737332-49-9	737332-50-2	737332-51-3	737332-52-4
737332-53-5	737332-54-6	737332-55-7	737332-56-8	737332-57-9
737332-58-0	737332-59-1	737332-60-4	737332-61-5	737332-62-6
737332-63-7	737332-64-8	737332-65-9	737332-66-0	737332-67-1
737332-68-2	737332-69-3	737332-70-6	737332-71-7	737332-72-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737332-73-9	737332-74-0	737332-75-1	737332-76-2	737332-77-3
	737332-78-4	737332-79-5	737332-80-8	737332-81-9	737332-82-0
	737332-83-1	737332-84-2	737332-85-3	737332-86-4	737332-87-5
	737332-88-6	737332-89-7	737332-90-0	737332-91-1	737332-92-2
	737332-93-3	737332-94-4	737332-95-5	737332-96-6	737332-97-7
	737332-98-8	737332-99-9	737333-00-5	737333-01-6	737333-02-7
	737333-03-8	737333-04-9	737333-05-0	737333-06-1	737333-07-2
	737333-08-3	737333-09-4	737333-10-7	737333-11-8	737333-12-9
	737333-13-0	737333-14-1	737333-15-2	737333-16-3	737333-17-4
	737333-18-5	737333-19-6	737333-20-9	737333-21-0	737333-22-1
	737333-23-2	737333-24-3	737333-25-4	737333-26-5	737333-27-6
	737333-28-7	737333-29-8	737333-30-1	737333-31-2	737333-32-3
	737333-33-4	737333-34-5	737333-35-6	737333-36-7	737333-37-8
	737333-38-9	737333-39-0	737333-40-3	737333-41-4	737333-42-5
	737333-43-6	737333-44-7	737333-45-8	737333-46-9	737333-47-0
	737333-48-1	737333-49-2	737333-50-5	737333-51-6	737333-52-7
	737333-53-8	737333-54-9	737333-55-0	737333-56-1	737333-57-2
	737333-58-3	737333-59-4	737333-60-7	737333-61-8	737333-62-9
	737333-63-0	737333-64-1	737333-65-2	737333-66-3	737333-67-4
	737333-68-5	737333-69-6	737333-70-9	737333-71-0	737333-72-1
	737333-73-2	737333-74-3	737333-75-4	737333-76-5	737333-77-6
	737333-78-7	737333-79-8	737333-80-1	737333-81-2	737333-82-3
	737333-83-4	737333-84-5	737333-85-6	737333-86-7	737333-87-8
	737333-88-9	737333-89-0	737333-90-3	737333-91-4	737333-92-5
	737333-93-6	737333-94-7	737333-95-8	737333-96-9	737333-97-0
	737333-98-1	737333-99-2	737334-00-8	737334-01-9	737334-02-0
	737334-03-1	737334-04-2	737334-05-3	737334-06-4	737334-07-5

737334-08-6	737334-09-7	737334-10-0	737334-11-1	737334-12-2
737334-13-3	737334-14-4	737334-15-5	737334-16-6	737334-17-7
737334-18-8	737334-19-9	737334-20-2	737334-21-3	737334-22-4
737334-23-5	737334-24-6	737334-25-7	737334-26-8	737334-27-9
737334-28-0	737334-29-1	737334-30-4	737334-31-5	737334-32-6
737334-33-7	737334-34-8	737334-35-9	737334-36-0	737334-37-1
737334-38-2	737334-39-3	737334-40-6	737334-41-7	737334-42-8
737334-43-9	737334-44-0	737334-45-1	737334-46-2	
737334-47-3	737334-48-4	737334-49-5	737334-50-8	737334-51-9
737334-52-0	737334-53-1	737334-54-2	737334-55-3	737334-56-4
737334-57-5	737334-58-6	737334-59-7	737334-60-0	737334-61-1
737334-62-2	737334-63-3	737334-64-4	737334-65-5	737334-66-6
737334-67-7	737334-68-8	737334-69-9	737334-70-2	737334-71-3
737334-72-4	737334-73-5	737334-74-6	737334-75-7	737334-76-8
737334-77-9	737334-78-0	737334-79-1	737334-80-4	737334-81-5
737334-82-6	737334-83-7	737334-84-8	737334-85-9	737334-86-0
737334-87-1	737334-88-2	737334-89-3	737334-90-6	737334-91-7
737334-92-8	737334-93-9	737334-94-0	737334-95-1	737334-96-2
737334-97-3	737334-98-4	737334-99-5	737335-00-1	737335-01-2
737335-02-3	737335-03-4	737335-04-5	737335-05-6	737335-06-7
737335-07-8				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737335-08-9	737335-09-0	737335-10-3	737335-11-4	737335-12-5
	737335-13-6	737335-14-7	737335-15-8	737335-16-9	737335-17-0
	737335-18-1	737335-19-2	737335-20-5	737335-21-6	737335-22-7
	737335-23-8	737335-24-9	737335-25-0	737335-26-1	737335-27-2
	737335-28-3	737335-29-4	737335-30-7	737335-31-8	737335-32-9
	737335-33-0	737335-34-1	737335-35-2	737335-36-3	737335-37-4
	737335-38-5	737335-39-6	737335-40-9	737335-41-0	737335-42-1
	737335-43-2	737335-44-3	737335-45-4	737335-46-5	737335-47-6
	737335-48-7	737335-49-8	737335-50-1	737335-51-2	737335-52-3
	737335-53-4	737335-54-5	737335-55-6	737335-56-7	737335-57-8
	737335-58-9	737335-59-0	737335-60-3	737335-61-4	737335-62-5
	737335-63-6	737335-64-7	737335-65-8	737335-66-9	737335-67-0
	737335-68-1	737335-69-2	737335-70-5	737335-71-6	737335-72-7
	737335-73-8	737335-74-9	737335-75-0	737335-76-1	737335-77-2
	737335-78-3	737335-79-4	737335-80-7	737335-81-8	737335-82-9
	737335-83-0	737335-84-1	737335-85-2	737335-86-3	737335-87-4
	737335-88-5	737335-89-6	737335-90-9	737335-91-0	737335-92-1
	737335-93-2	737335-94-3	737335-95-4	737335-96-5	737335-97-6
	737335-98-7	737335-99-8	737336-00-4	737336-01-5	737336-02-6
	737336-03-7	737336-04-8	737336-05-9	737336-06-0	737336-07-1
	737336-08-2	737336-09-3	737336-10-6	737336-11-7	737336-12-8
	737336-13-9	737336-14-0	737336-15-1	737336-16-2	737336-17-3
	737336-18-4	737336-19-5	737336-20-8	737336-21-9	737336-22-0
	737336-23-1	737336-24-2	737336-25-3	737336-26-4	737336-27-5
	737336-28-6	737336-29-7	737336-30-0	737336-31-1	737336-32-2
	737336-33-3	737336-34-4	737336-35-5	737336-36-6	737336-37-7
	737336-38-8	737336-39-9	737336-40-2	737336-41-3	737336-42-4
	737336-43-5	737336-44-6	737336-45-7	737336-46-8	737336-47-9
	737336-48-0	737336-49-1	737336-50-4	737336-51-5	737336-52-6
	737336-53-7	737336-54-8	737336-55-9	737336-56-0	737336-57-1
	737336-58-2	737336-59-3	737336-60-6	737336-61-7	737336-62-8
	737336-63-9	737336-64-0	737336-65-1	737336-66-2	737336-67-3
	737336-68-4	737336-69-5	737336-70-8	737336-71-9	737336-72-0
	737336-73-1	737336-74-2	737336-75-3	737336-76-4	737336-77-5
	737336-78-6	737336-79-7	737336-80-0	737336-81-1	737336-82-2
	737336-83-3	737336-84-4	737336-85-5	737336-86-6	737336-87-7
	737336-88-8	737336-89-9	737336-90-2	737336-91-3	737336-92-4
	737336-93-5	737336-94-6	737336-95-7	737336-96-8	737336-97-9
	737336-98-0	737336-99-1	737337-00-7	737337-01-8	737337-02-9
	737337-03-0	737337-04-1	737337-05-2	737337-06-3	737337-07-4
	737337-08-5	737337-09-6	737337-10-9	737337-11-0	737337-12-1

737337-13-2	737337-14-3	737337-15-4	737337-16-5	737337-17-6
737337-18-7	737337-19-8	737337-20-1	737337-21-2	737337-22-3
737337-23-4	737337-24-5	737337-25-6	737337-26-7	737337-27-8
737337-28-9	737337-29-0	737337-30-3	737337-31-4	737337-32-5
737337-33-6	737337-34-7	737337-35-8	737337-36-9	737337-37-0
737337-38-1	737337-39-2	737337-40-5	737337-41-6	737337-42-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737337-43-8	737337-44-9	737337-45-0	737337-46-1	737337-47-2
	737337-48-3	737337-49-4	737337-50-7	737337-51-8	737337-52-9
	737337-53-0	737337-54-1	737337-55-2	737337-56-3	737337-57-4
	737337-58-5	737337-59-6	737337-60-9	737337-61-0	737337-62-1
	737337-63-2	737337-64-3	737337-65-4	737337-66-5	737337-67-6
	737337-68-7	737337-69-8	737337-70-1	737337-71-2	737337-72-3
	737337-73-4	737337-74-5	737337-75-6	737337-76-7	737337-77-8
	737337-78-9	737337-79-0	737337-80-3	737337-81-4	737337-82-5
	737337-83-6	737337-84-7	737337-85-8	737337-86-9	737337-87-0
	737337-88-1	737337-89-2	737337-90-5	737337-91-6	737337-92-7
	737337-93-8	737337-94-9	737337-95-0	737337-96-1	737337-97-2
	737337-98-3	737337-99-4	737338-00-0	737338-01-1	737338-02-2
	737338-03-3	737338-04-4	737338-05-5	737338-06-6	737338-07-7
	737338-08-8	737338-09-9	737338-10-2	737338-11-3	737338-12-4
	737338-13-5	737338-14-6	737338-15-7	737338-16-8	
	737338-17-9	737338-18-0	737338-19-1	737338-20-4	737338-21-5
	737338-22-6	737338-23-7	737338-24-8	737338-25-9	737338-26-0
	737338-27-1	737338-28-2	737338-29-3	737338-30-6	737338-31-7
	737338-32-8	737338-33-9	737338-34-0	737338-35-1	737338-36-2
	737338-37-3	737338-38-4	737338-39-5	737338-40-8	737338-41-9
	737338-42-0	737338-43-1	737338-44-2	737338-45-3	737338-46-4
	737338-47-5	737338-48-6	737338-49-7	737338-50-0	737338-51-1
	737338-52-2	737338-53-3	737338-54-4	737338-55-5	737338-56-6
	737338-57-7	737338-58-8	737338-59-9	737338-60-2	737338-61-3
	737338-62-4	737338-63-5	737338-64-6	737338-65-7	737338-66-8
	737338-67-9	737338-68-0	737338-69-1	737338-70-4	737338-71-5
	737338-72-6	737338-73-7	737338-74-8	737338-75-9	737338-76-0
	737338-77-1	737338-78-2	737338-79-3	737338-80-6	737338-81-7
	737338-82-8	737338-83-9	737338-84-0	737338-85-1	737338-86-2
	737338-87-3	737338-88-4	737338-89-5	737338-90-8	737338-91-9
	737338-92-0	737338-93-1	737338-94-2	737338-95-3	737338-96-4
	737338-97-5	737338-98-6	737338-99-7	737339-00-3	737339-01-4
	737339-02-5	737339-03-6	737339-04-7	737339-05-8	737339-06-9
	737339-07-0	737339-08-1	737339-09-2	737339-10-5	737339-11-6
	737339-12-7	737339-13-8	737339-14-9	737339-15-0	737339-16-1
	737339-17-2	737339-18-3	737339-19-4	737339-20-7	737339-21-8
	737339-22-9	737339-23-0	737339-24-1	737339-25-2	737339-26-3
	737339-27-4	737339-28-5	737339-29-6	737339-30-9	737339-31-0
	737339-32-1	737339-33-2	737339-34-3	737339-35-4	737339-36-5
	737339-37-6	737339-38-7	737339-39-8	737339-40-1	737339-41-2
	737339-42-3	737339-43-4	737339-44-5	737339-45-6	737339-46-7
	737339-47-8	737339-48-9	737339-49-0	737339-50-3	737339-51-4
	737339-52-5	737339-53-6	737339-54-7	737339-55-8	737339-56-9
	737339-57-0	737339-58-1	737339-59-2	737339-60-5	737339-61-6
	737339-62-7	737339-63-8	737339-64-9	737339-65-0	737339-66-1
	737339-67-2	737339-68-3	737339-69-4	737339-70-7	737339-71-8
	737339-72-9	737339-73-0	737339-74-1	737339-75-2	737339-76-3
	737339-77-4				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737339-78-5	737339-79-6	737339-80-9	737339-81-0	737339-82-1
	737339-83-2	737339-84-3	737339-85-4	737339-86-5	737339-87-6
	737339-88-7	737339-89-8	737339-90-1	737339-91-2	737339-92-3
	737339-93-4	737339-94-5	737339-95-6	737339-96-7	737339-97-8

737339-98-9	737339-99-0	737340-00-0	737340-01-1	737340-02-2
737340-03-3	737340-04-4	737340-05-5	737340-06-6	737340-07-7
737340-08-8	737340-09-9	737340-10-2	737340-11-3	737340-12-4
737340-13-5	737340-14-6	737340-15-7	737340-16-8	737340-17-9
737340-18-0	737340-19-1	737340-20-4	737340-21-5	737340-22-6
737340-23-7	737340-24-8	737340-25-9	737340-26-0	737340-27-1
737340-28-2	737340-29-3	737340-30-6	737340-31-7	737340-32-8
737340-33-9	737340-34-0	737340-35-1	737340-36-2	737340-37-3
737340-38-4	737340-39-5	737340-40-8	737340-41-9	737340-42-0
737340-43-1	737340-44-2	737340-45-3	737340-46-4	737340-47-5
737340-48-6	737340-49-7	737340-50-0	737340-51-1	737340-52-2
737340-53-3	737340-54-4	737340-55-5	737340-56-6	737340-57-7
737340-58-8	737340-59-9	737340-60-2	737340-61-3	737340-62-4
737340-63-5	737340-64-6	737340-65-7	737340-66-8	737340-67-9
737340-68-0	737340-69-1	737340-70-4	737340-71-5	737340-72-6
737340-73-7	737340-74-8	737340-75-9	737340-76-0	737340-77-1
737340-78-2	737340-79-3	737340-80-6	737340-81-7	737340-82-8
737340-83-9	737340-84-0	737340-85-1	737340-86-2	737340-87-3
737340-88-4	737340-89-5	737340-90-8	737340-91-9	737340-92-0
737340-93-1	737340-94-2	737340-95-3	737340-96-4	737340-97-5
737340-98-6	737340-99-7	737341-00-3	737341-01-4	737341-02-5
737341-03-6	737341-04-7	737341-05-8	737341-06-9	737341-07-0
737341-08-1	737341-09-2	737341-10-5	737341-11-6	737341-12-7
737341-13-8	737341-14-9	737341-15-0	737341-16-1	737341-17-2
737341-18-3	737341-19-4	737341-20-7	737341-21-8	737341-22-9
737341-23-0	737341-24-1	737341-25-2	737341-26-3	737341-27-4
737341-28-5	737341-29-6	737341-30-9	737341-31-0	737341-32-1
737341-33-2	737341-34-3	737341-35-4	737341-36-5	737341-37-6
737341-38-7	737341-39-8	737341-40-1	737341-41-2	737341-42-3
737341-43-4	737341-44-5	737341-45-6	737341-46-7	737341-47-8
737341-48-9	737341-49-0	737341-50-3	737341-51-4	737341-52-5
737341-53-6	737341-54-7	737341-55-8	737341-56-9	737341-57-0
737341-58-1	737341-59-2	737341-60-5	737341-61-6	737341-62-7
737341-63-8	737341-64-9	737341-65-0	737341-66-1	737341-67-2
737341-68-3	737341-69-4	737341-70-7	737341-71-8	
737341-72-9	737341-73-0	737341-74-1	737341-75-2	737341-76-3
737341-77-4	737341-78-5	737341-79-6	737341-80-9	737341-81-0
737341-82-1	737341-83-2	737341-84-3	737341-85-4	737341-86-5
737341-87-6	737341-88-7	737341-89-8	737341-90-1	737341-91-2
737341-92-3	737341-93-4	737341-94-5	737341-95-6	737341-96-7
737341-97-8	737341-98-9	737341-99-0	737342-00-6	737342-01-7
737342-02-8	737342-03-9	737342-04-0	737342-05-1	737342-06-2
737342-07-3	737342-08-4	737342-09-5	737342-10-8	737342-11-9
737342-12-0				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737342-13-1	737342-14-2	737342-15-3	737342-16-4	737342-17-5
	737342-18-6	737342-19-7	737342-20-0	737342-21-1	737342-22-2
	737342-23-3	737342-24-4	737342-25-5	737342-26-6	737342-27-7
	737342-28-8	737342-29-9	737342-30-2	737342-31-3	737342-32-4
	737342-33-5	737342-34-6	737342-35-7	737342-36-8	737342-37-9
	737342-38-0	737342-39-1	737342-40-4	737342-41-5	737342-42-6
	737342-43-7	737342-44-8	737342-45-9	737342-46-0	737342-47-1
	737342-48-2	737342-49-3	737342-50-6	737342-51-7	737342-52-8
	737342-53-9	737342-54-0	737342-55-1	737342-56-2	737342-57-3
	737342-58-4	737342-59-5	737342-60-8	737342-61-9	737342-62-0
	737342-63-1	737342-64-2	737342-65-3	737342-66-4	737342-67-5
	737342-68-6	737342-69-7	737342-70-0	737342-71-1	737342-72-2
	737342-73-3	737342-74-4	737342-75-5	737342-76-6	737342-77-7
	737342-78-8	737342-79-9	737342-80-2	737342-81-3	737342-82-4
	737342-83-5	737342-84-6	737342-85-7	737342-86-8	737342-87-9
	737342-88-0	737342-89-1	737342-90-4	737342-91-5	737342-92-6
	737342-93-7	737342-94-8	737342-95-9	737342-96-0	737342-97-1
	737342-98-2	737342-99-3	737343-00-9	737343-01-0	737343-02-1

737343-03-2	737343-04-3	737343-05-4	737343-06-5	737343-07-6
737343-08-7	737343-09-8	737343-10-1	737343-11-2	737343-12-3
737343-13-4	737343-14-5	737343-15-6	737343-16-7	737343-17-8
737343-18-9	737343-19-0	737343-20-3	737343-21-4	737343-22-5
737343-23-6	737343-24-7	737343-25-8	737343-26-9	737343-27-0
737343-28-1	737343-29-2	737343-30-5	737343-31-6	737343-32-7
737343-33-8	737343-34-9	737343-35-0	737343-36-1	737343-37-2
737343-38-3	737343-39-4	737343-40-7	737343-41-8	737343-42-9
737343-43-0	737343-44-1	737343-45-2	737343-46-3	737343-47-4
737343-48-5	737343-49-6	737343-50-9	737343-51-0	737343-52-1
737343-53-2	737343-54-3	737343-55-4	737343-56-5	737343-57-6
737343-58-7	737343-59-8	737343-60-1	737343-61-2	737343-62-3
737343-63-4	737343-64-5	737343-65-6	737343-66-7	737343-67-8
737343-68-9	737343-69-0	737343-70-3	737343-71-4	737343-72-5
737343-73-6	737343-74-7	737343-75-8	737343-76-9	737343-77-0
737343-78-1	737343-79-2	737343-80-5	737343-81-6	737343-82-7
737343-83-8	737343-84-9	737343-85-0	737343-86-1	737343-87-2
737343-88-3	737343-89-4	737343-90-7	737343-91-8	737343-92-9
737343-93-0	737343-94-1	737343-95-2	737343-96-3	737343-97-4
737343-98-5	737343-99-6	737344-00-2	737344-01-3	737344-02-4
737344-03-5	737344-04-6	737344-05-7	737344-06-8	737344-07-9
737344-08-0	737344-09-1	737344-10-4	737344-11-5	737344-12-6
737344-13-7	737344-14-8	737344-15-9	737344-16-0	737344-17-1
737344-18-2	737344-19-3	737344-20-6	737344-21-7	737344-22-8
737344-23-9	737344-24-0	737344-25-1	737344-26-2	737344-27-3
737344-28-4	737344-29-5	737344-30-8	737344-31-9	737344-32-0
737344-33-1	737344-34-2	737344-35-3	737344-36-4	737344-37-5
737344-38-6	737344-39-7	737344-40-0	737344-41-1	737344-42-2
737344-43-3	737344-44-4	737344-45-5	737344-46-6	737344-47-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737344-48-8	737344-49-9	737344-50-2	737344-51-3	737344-52-4
	737344-53-5	737344-54-6	737344-55-7	737344-56-8	737344-57-9
	737344-58-0	737344-59-1	737344-60-4	737344-61-5	737344-62-6
	737344-63-7	737344-64-8	737344-65-9	737344-66-0	737344-67-1
	737344-68-2	737344-69-3	737344-70-6	737344-71-7	737344-72-8
	737344-73-9	737344-74-0	737344-75-1	737344-76-2	737344-77-3
	737344-78-4	737344-79-5	737344-80-8	737344-81-9	737344-82-0
	737344-83-1	737344-84-2	737344-85-3	737344-86-4	737344-87-5
	737344-88-6	737344-89-7	737344-90-0	737344-91-1	737344-92-2
	737344-93-3	737344-94-4	737344-95-5	737344-96-6	737344-97-7
	737344-98-8	737344-99-9	737345-00-5	737345-01-6	737345-02-7
	737345-03-8	737345-04-9	737345-05-0	737345-06-1	737345-07-2
	737345-08-3	737345-09-4	737345-10-7	737345-11-8	737345-12-9
	737345-13-0	737345-14-1	737345-15-2	737345-16-3	737345-17-4
	737345-18-5	737345-19-6	737345-20-9	737345-21-0	737345-22-1
	737345-23-2	737345-24-3	737345-25-4	737345-26-5	737345-27-6
	737345-28-7	737345-29-8	737345-30-1	737345-31-2	737345-32-3
	737345-33-4	737345-34-5	737345-35-6	737345-36-7	737345-37-8
	737345-38-9	737345-39-0	737345-40-3	737345-41-4	737345-42-5
	737345-43-6	737345-44-7	737345-45-8	737345-46-9	737345-47-0
	737345-48-1	737345-49-2	737345-50-5	737345-51-6	737345-52-7
	737345-53-8	737345-54-9	737345-55-0	737345-56-1	737345-57-2
	737345-58-3	737345-59-4	737345-60-7	737345-61-8	737345-62-9
	737345-63-0	737345-64-1	737345-65-2	737345-66-3	737345-67-4
	737345-68-5	737345-69-6	737345-70-9	737345-71-0	737345-72-1
	737345-73-2	737345-74-3	737345-75-4	737345-76-5	737345-77-6
	737345-78-7	737345-79-8	737345-80-1	737345-81-2	737345-82-3
	737345-83-4	737345-84-5	737345-85-6	737345-86-7	737345-87-8
	737345-88-9	737345-89-0	737345-90-3	737345-91-4	737345-92-5
	737345-93-6	737345-94-7	737345-95-8	737345-96-9	737345-97-0
	737345-98-1	737345-99-2	737346-00-8	737346-01-9	737346-02-0
	737346-03-1	737346-04-2	737346-05-3	737346-06-4	737346-07-5
	737346-08-6	737346-09-7	737346-10-0	737346-11-1	737346-12-2

737346-13-3	737346-14-4	737346-15-5	737346-16-6	737346-17-7
737346-18-8	737346-19-9	737346-20-2	737346-21-3	737346-22-4
737346-23-5	737346-24-6	737346-25-7	737346-26-8	737346-27-9
737346-28-0	737346-29-1	737346-30-4	737346-31-5	737346-32-6
737346-33-7	737346-34-8	737346-35-9	737346-36-0	737346-37-1
737346-38-2	737346-39-3	737346-40-6	737346-41-7	737346-42-8
737346-43-9	737346-44-0	737346-45-1	737346-46-2	737346-47-3
737346-48-4	737346-49-5	737346-50-8	737346-51-9	737346-52-0
737346-53-1	737346-54-2	737346-55-3	737346-56-4	737346-57-5
737346-58-6	737346-59-7	737346-60-0	737346-61-1	737346-62-2
737346-63-3	737346-64-4	737346-65-5	737346-66-6	737346-67-7
737346-68-8	737346-69-9	737346-70-2	737346-71-3	737346-72-4
737346-73-5	737346-74-6	737346-75-7	737346-76-8	737346-77-9
737346-78-0	737346-79-1	737346-80-4	737346-81-5	737346-82-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737346-83-7	737346-84-8	737346-85-9	737346-86-0	737346-87-1
	737346-88-2	737346-89-3	737346-90-6	737346-91-7	737346-92-8
	737346-93-9	737346-94-0	737346-95-1	737346-96-2	737346-97-3
	737346-98-4	737346-99-5	737347-00-1	737347-01-2	737347-02-3
	737347-03-4	737347-04-5	737347-05-6	737347-06-7	737347-07-8
	737347-08-9	737347-09-0	737347-10-3	737347-11-4	737347-12-5
	737347-13-6	737347-14-7	737347-15-8	737347-16-9	737347-17-0
	737347-18-1	737347-19-2	737347-20-5	737347-21-6	737347-22-7
	737347-23-8	737347-24-9	737347-25-0	737347-26-1	737347-27-2
	737347-28-3	737347-29-4	737347-30-7	737347-31-8	737347-32-9
	737347-33-0	737347-34-1	737347-35-2	737347-36-3	737347-37-4
	737347-38-5	737347-39-6	737347-40-9	737347-41-0	737347-42-1
	737347-43-2	737347-44-3	737347-45-4	737347-46-5	737347-47-6
	737347-48-7	737347-49-8	737347-50-1	737347-51-2	737347-52-3
	737347-53-4	737347-54-5	737347-55-6	737347-56-7	737347-57-8
	737347-58-9	737347-59-0	737347-60-3	737347-61-4	737347-62-5
	737347-63-6	737347-64-7	737347-65-8	737347-66-9	737347-67-0
	737347-68-1	737347-69-2	737347-70-5	737347-71-6	737347-72-7
	737347-73-8	737347-74-9	737347-75-0	737347-76-1	737347-77-2
	737347-78-3	737347-79-4	737347-80-7	737347-81-8	737347-82-9
	737347-83-0	737347-84-1	737347-85-2	737347-86-3	737347-87-4
	737347-88-5	737347-89-6	737347-90-9	737347-91-0	737347-92-1
	737347-93-2	737347-94-3	737347-95-4	737347-96-5	737347-97-6
	737347-98-7	737347-99-8	737348-00-4	737348-01-5	737348-02-6
	737348-03-7	737348-04-8	737348-05-9	737348-06-0	737348-07-1
	737348-08-2	737348-09-3	737348-10-6	737348-11-7	737348-12-8
	737348-13-9	737348-14-0	737348-15-1	737348-16-2	737348-17-3
	737348-18-4	737348-19-5	737348-20-8	737348-21-9	737348-22-0
	737348-23-1	737348-24-2	737348-25-3	737348-26-4	737348-27-5
	737348-28-6	737348-29-7	737348-30-0	737348-31-1	737348-32-2
	737348-33-3	737348-34-4	737348-35-5	737348-36-6	737348-37-7
	737348-38-8	737348-39-9	737348-40-2	737348-41-3	737348-42-4
	737348-43-5	737348-44-6	737348-45-7	737348-46-8	737348-47-9
	737348-48-0	737348-49-1	737348-50-4	737348-51-5	737348-52-6
	737348-53-7	737348-54-8	737348-55-9	737348-56-0	737348-57-1
	737348-58-2	737348-59-3	737348-60-6	737348-61-7	737348-62-8
	737348-63-9	737348-64-0	737348-65-1	737348-66-2	737348-67-3
	737348-68-4	737348-69-5	737348-70-8	737348-71-9	737348-72-0
	737348-73-1	737348-74-2	737348-75-3	737348-76-4	737348-77-5
	737348-78-6	737348-79-7	737348-80-0	737348-81-1	737348-82-2
	737348-83-3	737348-84-4	737348-85-5	737348-86-6	737348-87-7
	737348-88-8	737348-89-9	737348-90-2	737348-91-3	737348-92-4
	737348-93-5	737348-94-6	737348-95-7	737348-96-8	737348-97-9
	737348-98-0	737348-99-1	737349-00-7	737349-01-8	737349-02-9
	737349-03-0	737349-04-1	737349-05-2	737349-06-3	737349-07-4
	737349-08-5	737349-09-6	737349-10-9	737349-11-0	737349-12-1
	737349-13-2	737349-14-3	737349-15-4	737349-16-5	737349-17-6

RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737349-18-7	737349-19-8	737349-20-1	737349-21-2	737349-22-3
	737349-23-4	737349-24-5	737349-25-6	737349-26-7	737349-27-8
	737349-28-9	737349-29-0	737349-30-3	737349-31-4	737349-32-5
	737349-33-6	737349-34-7	737349-35-8	737349-36-9	737349-37-0
	737349-38-1	737349-39-2	737349-40-5	737349-41-6	737349-42-7
	737349-43-8	737349-44-9	737349-45-0	737349-46-1	737349-47-2
	737349-48-3	737349-49-4	737349-50-7	737349-51-8	737349-52-9
	737349-53-0	737349-54-1	737349-55-2	737349-56-3	737349-57-4
	737349-58-5	737349-59-6	737349-60-9	737349-61-0	737349-62-1
	737349-63-2	737349-64-3	737349-65-4	737349-66-5	737349-67-6
	737349-68-7	737349-69-8	737349-70-1	737349-71-2	737349-72-3
	737349-73-4	737349-74-5	737349-75-6	737349-76-7	737349-77-8
	737349-78-9	737349-79-0	737349-80-3	737349-81-4	737349-82-5
	737349-83-6	737349-84-7	737349-85-8	737349-86-9	737349-87-0
	737349-88-1	737349-89-2	737349-90-5	737349-91-6	737349-92-7
	737349-93-8	737349-94-9	737349-95-0	737349-96-1	737349-97-2
	737349-98-3	737349-99-4	737350-00-4	737350-01-5	737350-02-6
	737350-03-7	737350-04-8	737350-05-9	<b>737350-06-0</b>	
	737350-07-1	737350-08-2	737350-09-3	737350-10-6	737350-11-7
	737350-12-8	737350-13-9	737350-14-0	737350-15-1	737350-16-2
	737350-17-3	737350-18-4	737350-19-5	737350-20-8	737350-21-9
	737350-22-0	737350-23-1	737350-24-2	737350-25-3	737350-26-4
	737350-27-5	737350-28-6	737350-29-7	737350-30-0	737350-31-1
	737350-32-2	737350-33-3	737350-34-4	737350-35-5	737350-36-6
	737350-37-7	737350-38-8	737350-39-9	737350-40-2	737350-41-3
	737350-42-4	737350-43-5	737350-44-6	737350-45-7	737350-46-8
	737350-47-9	737350-48-0	737350-49-1	737350-50-4	737350-51-5
	737350-52-6	737350-53-7	737350-54-8	737350-55-9	737350-56-0
	737350-57-1	737350-58-2	737350-59-3	737350-60-6	737350-61-7
	737350-62-8	737350-63-9	737350-64-0	737350-65-1	737350-66-2
	737350-67-3	737350-68-4	737350-69-5	737350-70-8	737350-71-9
	737350-72-0	737350-73-1	737350-74-2	737350-75-3	737350-76-4
	737350-77-5	737350-78-6	737350-79-7	737350-80-0	737350-81-1
	737350-82-2	737350-83-3	737350-84-4	737350-85-5	737350-86-6
	737350-87-7	737350-88-8	737350-89-9	737350-90-2	737350-91-3
	737350-92-4	737350-93-5	737350-94-6	737350-95-7	737350-96-8
	737350-97-9	737350-98-0	737350-99-1	737351-00-7	737351-01-8
	737351-02-9	737351-03-0	737351-04-1	737351-05-2	737351-06-3
	737351-07-4	737351-08-5	737351-09-6	737351-10-9	737351-11-0
	737351-12-1	737351-13-2	737351-14-3	737351-15-4	737351-16-5
	737351-17-6	737351-18-7	737351-19-8	737351-20-1	737351-21-2
	737351-22-3	737351-23-4	737351-24-5	737351-25-6	737351-26-7
	737351-27-8	737351-28-9	737351-29-0	737351-30-3	737351-31-4
	737351-32-5	737351-33-6	737351-34-7	737351-35-8	737351-36-9
	737351-37-0	737351-38-1	737351-39-2	737351-40-5	737351-41-6
	737351-42-7	737351-43-8	737351-44-9	737351-45-0	737351-46-1
	737351-47-2	737351-48-3	737351-49-4	737351-50-7	737351-51-8
	737351-52-9				

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

IT	737351-53-0	737351-54-1	737351-55-2	737351-56-3	737351-57-4
	737351-58-5	737351-59-6	737351-60-9	737351-61-0	737351-62-1
	737351-63-2	737351-64-3	737351-65-4	737351-66-5	737351-67-6
	737351-68-7	737351-69-8	737351-70-1	737351-71-2	737351-72-3
	737351-73-4	737351-74-5	737351-75-6	737351-76-7	737351-77-8
	737351-78-9	737351-79-0	737351-80-3	737351-81-4	737351-82-5
	737351-83-6	737351-84-7	737351-85-8	737351-86-9	737351-87-0
	737351-88-1	737351-89-2	737351-90-5	737351-91-6	737351-92-7
	737351-93-8	737351-94-9	737351-95-0	737351-96-1	737351-97-2
	737351-98-3	737351-99-4	737352-00-0	737352-01-1	737352-02-2
	737352-03-3	737352-04-4	737352-05-5	737352-06-6	737352-07-7

737352-08-8	737352-09-9	737352-10-2	737352-11-3	737352-12-4
737352-13-5	737352-14-6	737352-15-7	737352-16-8	737352-17-9
737352-18-0	737352-19-1	737352-20-4	737352-21-5	737352-22-6
737352-23-7	737352-24-8	737352-25-9	737352-26-0	737352-27-1
737352-28-2	737352-29-3	737352-30-6	737352-31-7	737352-32-8
737352-33-9	737352-34-0	737352-35-1	737352-36-2	737352-37-3
737352-38-4	737352-39-5	737352-40-8	737352-41-9	737352-42-0
737352-43-1	737352-44-2	737352-45-3	737352-46-4	737352-47-5
737352-48-6	737352-49-7	737352-50-0	737352-51-1	737352-52-2
737352-53-3	737352-54-4	737352-55-5	737352-56-6	737352-57-7
737352-58-8	737352-59-9	737352-60-2	737352-61-3	737352-62-4
737352-63-5	737352-64-6	737352-65-7	737352-66-8	737352-67-9
737352-68-0	737352-69-1	737352-70-4	737352-71-5	737352-72-6
737352-73-7	737352-74-8	737352-75-9	737352-76-0	737352-77-1
737352-78-2	737352-79-3	737352-80-6	737352-81-7	737352-82-8
737352-83-9	737352-84-0	737352-85-1	737352-86-2	737352-87-3
737352-88-4	737352-89-5	737352-90-8	737352-91-9	737352-92-0
737352-93-1	737352-94-2	737352-95-3	737352-96-4	737352-97-5
737352-98-6	737352-99-7	737353-00-3	737353-01-4	737353-02-5
737353-03-6	737353-04-7	737353-05-8	737353-06-9	737353-07-0
737353-08-1	737353-09-2	737353-10-5	737353-11-6	737353-12-7
737353-13-8	737353-14-9	737353-15-0	737353-16-1	737353-17-2
737353-18-3	737353-19-4	737353-20-7	737353-21-8	737353-22-9
737353-23-0	737353-24-1	737353-25-2	737353-26-3	737353-27-4
737353-28-5	737353-29-6	737353-30-9	737353-31-0	737353-32-1
737353-33-2	737353-34-3	737353-35-4	737353-36-5	737353-37-6
737353-38-7	737353-39-8	737353-40-1	737353-41-2	737353-42-3
737353-43-4	737353-44-5	737353-45-6	737353-46-7	737353-47-8
737353-48-9	737353-49-0	737353-50-3	737353-51-4	737353-52-5
737353-53-6	737353-54-7	737353-55-8	737353-56-9	737353-57-0
737353-58-1	737353-59-2	737353-60-5	737353-61-6	737353-62-7
737353-63-8	737353-64-9	737353-65-0	737353-66-1	737353-67-2
737353-68-3	737353-69-4	737353-70-7	737353-71-8	737353-72-9
737353-73-0	737353-74-1	737353-75-2	737353-76-3	737353-77-4
737353-78-5	737353-79-6	737353-80-9	737353-81-0	737353-82-1
737353-83-2	737353-84-3	737353-85-4	737353-86-5	737353-87-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737353-88-7	737353-89-8	737353-90-1	737353-91-2	737353-92-3
	737353-93-4	737353-94-5	737353-95-6	737353-96-7	737353-97-8
	737353-98-9	737353-99-0	737354-00-6	737354-01-7	737354-02-8
	737354-03-9	737354-04-0	737354-05-1	737354-06-2	737354-07-3
	737354-08-4	737354-09-5	737354-10-8	737354-11-9	737354-12-0
	737354-13-1	737354-14-2	737354-15-3	737354-16-4	737354-17-5
	737354-18-6	737354-19-7	737354-20-0	737354-21-1	737354-22-2
	737354-23-3	737354-24-4	737354-25-5	737354-26-6	737354-27-7
	737354-28-8	737354-29-9	737354-30-2	737354-31-3	737354-32-4
	737354-33-5	737354-34-6	737354-35-7	737354-36-8	737354-37-9
	737354-38-0	737354-39-1	737354-40-4	737354-41-5	737354-42-6
	737354-43-7	737354-44-8	737354-45-9	737354-46-0	737354-47-1
	737354-48-2	737354-49-3	737354-50-6	737354-51-7	737354-52-8
	737354-53-9	737354-54-0	737354-55-1	737354-56-2	737354-57-3
	737354-58-4	737354-59-5	737354-60-8	737354-61-9	737354-62-0
	737354-63-1	737354-64-2	737354-65-3	737354-66-4	737354-67-5
	737354-68-6	737354-69-7	737354-70-0	737354-71-1	737354-72-2
	737354-73-3	737354-74-4	737354-75-5	737354-76-6	737354-77-7
	737354-78-8	737354-79-9	737354-80-2	737354-81-3	737354-82-4
	737354-83-5	737354-84-6	737354-85-7	737354-86-8	737354-87-9
	737354-88-0	737354-89-1	737354-90-4	737354-91-5	737354-92-6
	737354-93-7	737354-94-8	737354-95-9	737354-96-0	737354-97-1
	737354-98-2	737354-99-3	737355-00-9	737355-01-0	737355-02-1
	737355-03-2	737355-04-3	737355-05-4	737355-06-5	737355-07-6
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	737355-13-4	737355-14-5	737355-15-6	737355-16-7	737355-17-8

737355-18-9	737355-19-0	737355-20-3	737355-21-4	737355-22-5
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737355-38-3	737355-39-4	737355-40-7	737355-41-8	737355-42-9
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737355-58-7	737355-59-8	737355-60-1	737355-61-2	737355-62-3
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737356-13-7	737356-14-8	737356-15-9	737356-16-0	737356-17-1
737356-18-2	737356-19-3	737356-20-6	737356-21-7	737356-22-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737319-82-3 737324-21-9 737334-46-2  
 737338-13-5 737341-68-3 737350-06-0  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

RN 737319-82-3 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_87417C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 HEGVICALIE DGYTLNSYSS LAITNISKVL STMLAFACAF IPCALGMMNN  
 51 RIIDYHPGQH TGTGFTSPLL VTCLMECLPW SS

RN 737324-21-9 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_87814C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MAFRHWRLVC YCYPCCLLA RDERFKNVKN LVELSTMLVA TKKHTAYEFV  
 51 YKLLKLVLIL PVATASVERV FSSMNYVKNK LRNRMGEOYL NXCLVTFLER  
 101 DLFVQVTDDD IIXRFQAMAT RKVKL

RN 737334-46-2 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_88749C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MAAVAAVFLA FVLCFYIFVC AKRYRGGAPP AEGGVAARLW FLLGGGGGGG  
 51 GAAGSGDAAW CYDGGLEAS MAKLPCRUVG KGEEAVDCAV CITELAAGET  
 101 ARVLPRCGHG FHVACVDMWL KSHSTCPLCR CPAVDEPPPA APPPVVAPPE  
 151 ADPESPNFPT NVLFFGSQDE LLRIEKKLVD LGGKIVELAA SMVLQSSWPN  
 201 KQQTAKPATS KNWRNGDSPA NHLQITSSSD LLCDATGKYI FFVRRKFRYS  
 251 AFTKSKDSFL IHMLSCCME MFQFQSHPD ERMILAIWGL KLTSATDIKY  
 301 LLRWVWTIID TNRDEQLVAE M

RN 737338-13-5 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_89083C.1.pep fragment) (9CI) (CA  
 INDEX NAME)

SEQ 1 MDIKGFGQHR KMQLSELEEW RDKAYHNAKI YKDKTKRWHD KRIKHKEFKA  
 51 REKVLLFNSR VKLFGHGKLO SKLMGPYTVV DASSHGAVTL SHNEGNIFKI  
 101 IKLKLGIKVL EFIVYLKII C MPIILCSLLV TCGDISNRDP MLSRYFKEKT  
 151 QQSCEETHFR PIRREHMDWR AHKTGATVME RVIIAITANR AHQSVTLPPK  
 201 NPGGGAQGSV EPPQAPFIPA FHVYASDAFP MTVEGVLVIS HSCNRHMEAI  
 251 NRAPLTHSQH TTLS

RN 737341-68-3 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_89403C.1.pep fragment) (9CI) (CA  
 INDEX NAME)

SEQ 1 LEKWQKSIAR RVHSLRCKVA TTLLPRNSTN RRGAKTAAAF TPFKQAGLTL  
 51 AINYFAFLCF LIVLCIRLRS SYSWA

RN 737350-06-0 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_90166C.1.pep fragment) (9CI) (CA  
 INDEX NAME)

SEQ 1 LHIPKSYLGV KVFHGIKGTG KGRRRASNLI ANTPTKVYEA GVCRADLPGG  
 51 LVESLDYDLV GIACFSYSLC NLTRGLNQYN PCLLSALMSY YVDPCSNVPR  
 101 YSMH

L12 ANSWER 17 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:663852 HCAPLUS  
 DN 141:186007  
 ED Entered STN: 16 Aug 2004  
 TI Rice nucleic acid molecules and encoded proteins and their uses for plant  
 improvement  
 IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei;  
 Boukharov, Andrey A.; Barbazuk, Brad W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04  
 INCL 800278000; 435069100; 435200000; 435201000; 435419000; 536023200  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11  
 FAN.CNT 27  
 PATENT NO. KIND DATE APPLICATION NO. DATE

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PI    US 2004123343      A1    20040624      US 2003-437963      20030514 <--
      US 2004123343      A1    20040624      US 2003-437963      20030514 <--
PRAI US 2000-197872P    P      20000419      <--
      US 2001-837604      A2    20010418
      US 2003-437963      A      20030514

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## CLASS

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PATENT NO.      CLASS  PATENT FAMILY CLASSIFICATION CODES
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US 2004123343   IC      A01H001-00IC      C12N015-82IC      C07H021-04IC
                  C12N009-24IC      C12N005-04
                  INCL      800278000; 435069100; 435200000; 435201000; 435419000;
                  536023200
US 2004123343   NCL      800/278.000      <--
US 2004123343   NCL      800/278.000
                  ECLA      C07K014/415      <--

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AB The present invention provides 102,483 cDNA sequences and their encoded protein sequences from rice (*Oryza sativa*). Bioinformatic anal. identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

ST rice cDNA protein sequence plant transformation

IT Stress, plant

(cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Stress, plant

(heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Recombination, genetic

(homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Fats and Glyceridic oils, biological studies

Growth regulators, plant

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Pathogen

(improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Carbohydrates, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Stress, plant

(osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Cell cycle

Disease resistance, plant

Growth and development, plant

Herbicides

*Oryza sativa*

Photosynthesis, biological

Protein sequences

Transformation, genetic

cDNA library

cDNA sequences

(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Transcription factors

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Proteins

## cDNA

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

- IT Embryophyta  
(transgenic; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT 737259-41-5, Protein (Oryza sativa clone x fragment) 737259-42-6, Protein (Oryza sativa clone x fragment) 737259-43-7, Protein (Oryza sativa clone x fragment) 737259-44-8, Protein (Oryza sativa clone x fragment) 737259-45-9, Protein (Oryza sativa clone x fragment) 737259-46-0, Protein (Oryza sativa clone x fragment) 737259-47-1, Protein (Oryza sativa clone x fragment) 737259-48-2, Protein (Oryza sativa clone x fragment) 737259-49-3, Protein (Oryza sativa clone x fragment) 737259-50-6, Protein (Oryza sativa clone x fragment) 737259-51-7, Protein (Oryza sativa clone x fragment) 737259-52-8, Protein (Oryza sativa clone x fragment) 737259-53-9, Protein (Oryza sativa clone x fragment) 737259-54-0, Protein (Oryza sativa clone x fragment) 737259-55-1, Protein (Oryza sativa clone x fragment) 737259-56-2, Protein (Oryza sativa clone x fragment) 737259-57-3, Protein (Oryza sativa clone x fragment) 737259-58-4, Protein (Oryza sativa clone x fragment) 737259-59-5, Protein (Oryza sativa clone x fragment) 737259-60-8, Protein (Oryza sativa clone x fragment) 737259-61-9, Protein (Oryza sativa clone x fragment) 737259-62-0, Protein (Oryza sativa clone x fragment) 737259-63-1, Protein (Oryza sativa clone x fragment) 737259-64-2, Protein (Oryza sativa clone x fragment) 737259-65-3, Protein (Oryza sativa clone x fragment) 737259-66-4, Protein (Oryza sativa clone x fragment) 737259-67-5, Protein (Oryza sativa clone x fragment) 737259-68-6, Protein (Oryza sativa clone x fragment) 737259-69-7, Protein (Oryza sativa clone x fragment) 737259-70-0, Protein (Oryza sativa clone x fragment) 737259-71-1, Protein (Oryza sativa clone x fragment) 737259-72-2, Protein (Oryza sativa clone x fragment) 737259-73-3, Protein (Oryza sativa clone x fragment) 737259-74-4, Protein (Oryza sativa clone x fragment) 737259-75-5, Protein (Oryza sativa clone x fragment) 737259-76-6, Protein (Oryza sativa clone x fragment) 737259-77-7, Protein (Oryza sativa clone x fragment) 737259-78-8, Protein (Oryza sativa clone x fragment) 737259-79-9, Protein (Oryza sativa clone x fragment) 737259-80-2, Protein (Oryza sativa clone x fragment) 737259-81-3, Protein (Oryza sativa clone x fragment) 737259-82-4, Protein (Oryza sativa clone x fragment) 737259-83-5, Protein (Oryza sativa clone x fragment) 737259-84-6, Protein (Oryza sativa clone x fragment) 737259-85-7, Protein (Oryza sativa clone x fragment) 737259-86-8, Protein (Oryza sativa clone x fragment) 737259-87-9, Protein (Oryza sativa clone x fragment) 737259-88-0, Protein (Oryza sativa clone x fragment) 737259-89-1, Protein (Oryza sativa clone x fragment) 737259-90-4, Protein (Oryza sativa clone x fragment) 737259-91-5, Protein (Oryza sativa clone x fragment) 737259-92-6, Protein (Oryza sativa clone x fragment) 737259-93-7, Protein (Oryza sativa clone x fragment) 737259-94-8, Protein (Oryza sativa clone x fragment) 737259-95-9, Protein (Oryza sativa clone x fragment) 737259-96-0, Protein (Oryza sativa clone x fragment) 737259-97-1, Protein (Oryza sativa clone x fragment) 737259-98-2, Protein (Oryza sativa clone x fragment) 737259-99-3, Protein (Oryza sativa clone x fragment) 737260-00-3, Protein (Oryza sativa clone x fragment) 737260-01-4, Protein (Oryza sativa clone x fragment) 737260-02-5, Protein (Oryza sativa clone x fragment) 737260-03-6, Protein (Oryza sativa clone x fragment) 737260-04-7, Protein (Oryza sativa clone x fragment) 737260-05-8, Protein (Oryza sativa clone x fragment) 737260-06-9, Protein (Oryza sativa clone x fragment) 737260-07-0, Protein (Oryza sativa clone x fragment) 737260-08-1, Protein (Oryza sativa clone x fragment) 737260-09-2, Protein (Oryza sativa clone x fragment) 737260-10-5, Protein (Oryza sativa clone x fragment) 737260-11-6, Protein (Oryza sativa clone x fragment) 737260-12-7, Protein (Oryza sativa clone x fragment) 737260-13-8, Protein (Oryza sativa clone x fragment) 737260-14-9, Protein (Oryza sativa clone x fragment) 737260-15-0, Protein (Oryza sativa clone x fragment) 737260-16-1, Protein (Oryza sativa clone x fragment) 737260-17-2, Protein (Oryza sativa clone x fragment) 737260-18-3, Protein (Oryza sativa clone x fragment) 737260-19-4, Protein (Oryza sativa clone x fragment) 737260-20-7, Protein (Oryza sativa clone x fragment) 737260-21-8, Protein (Oryza sativa clone x fragment)

Search done by Noble Jarrell

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 sativa clone x fragment) 737261-53-9, Protein (Oryza sativa clone x  
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 737261-55-1, Protein (Oryza sativa clone x fragment) 737261-56-2,  
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 sativa clone x fragment) 737261-58-4, Protein (Oryza sativa clone x  
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 737261-60-8, Protein (Oryza sativa clone x fragment) 737261-61-9,  
 Protein (Oryza sativa clone x fragment) 737261-62-0, Protein (Oryza  
 sativa clone x fragment) 737261-63-1, Protein (Oryza sativa clone x  
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 737261-65-3, Protein (Oryza sativa clone x fragment) 737261-66-4  
 737261-67-5, Protein (Oryza sativa clone x fragment) 737261-68-6,  
 Protein (Oryza sativa clone x fragment) 737261-69-7, Protein (Oryza  
 sativa clone x fragment) 737261-70-0, Protein (Oryza sativa clone x  
 fragment) 737261-71-1, Protein (Oryza sativa clone x fragment)  
 737261-72-2, Protein (Oryza sativa clone x fragment) 737261-73-3,  
 Protein (Oryza sativa clone x fragment) 737261-74-4, Protein (Oryza  
 sativa clone x fragment) 737261-75-5, Protein (Oryza sativa clone x  
 fragment)

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737261-76-6, Protein (Oryza sativa clone x fragment) 737261-77-7,  
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 Protein (Oryza sativa clone x fragment) 737261-80-2, Protein (Oryza  
 sativa clone x fragment) 737261-81-3, Protein (Oryza sativa clone x  
 fragment) 737261-82-4, Protein (Oryza sativa clone x fragment)  
 737261-83-5, Protein (Oryza sativa clone x fragment) 737261-84-6,  
 Protein (Oryza sativa clone x fragment) 737261-85-7, Protein (Oryza

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fragment) 737263-59-1, Protein (Oryza sativa clone x fragment)  
 737263-60-4, Protein (Oryza sativa clone x fragment) 737263-61-5  
 737263-62-6, Protein (Oryza sativa clone x fragment) 737263-63-7,  
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 sativa clone x fragment) 737263-65-9, Protein (Oryza sativa clone x  
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 737263-67-1, Protein (Oryza sativa clone x fragment) 737263-68-2,  
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 737263-72-8, Protein (Oryza sativa clone x fragment) 737263-73-9,  
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 sativa clone x fragment) 737263-75-1, Protein (Oryza sativa clone x  
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 737263-82-0, Protein (Oryza sativa clone x fragment) 737263-83-1,  
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 sativa clone x fragment) 737263-85-3, Protein (Oryza sativa clone x  
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 737263-87-5, Protein (Oryza sativa clone x fragment) 737263-88-6,  
 Protein (Oryza sativa clone x fragment) 737263-89-7, Protein (Oryza  
 sativa clone x fragment) 737263-90-0, Protein (Oryza sativa clone x  
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 737263-92-2, Protein (Oryza sativa clone x fragment) 737263-93-3,  
 Protein (Oryza sativa clone x fragment) 737263-94-4, Protein (Oryza  
 sativa clone x fragment) 737263-95-5, Protein (Oryza sativa clone x  
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 737263-97-7, Protein (Oryza sativa clone x fragment) 737263-98-8,  
 Protein (Oryza sativa clone x fragment) 737263-99-9, Protein (Oryza  
 sativa clone x fragment) 737264-00-5, Protein (Oryza sativa clone x  
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 737264-02-7, Protein (Oryza sativa clone x fragment) 737264-03-8,  
 Protein (Oryza sativa clone x fragment) 737264-04-9, Protein (Oryza  
 sativa clone x fragment) 737264-05-0, Protein (Oryza sativa clone x  
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 737264-07-2, Protein (Oryza sativa clone x fragment) 737264-08-3,  
 Protein (Oryza sativa clone x fragment) 737264-09-4, Protein (Oryza  
 sativa clone x fragment) 737264-10-7, Protein (Oryza sativa clone x  
 fragment)

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 their uses for plant improvement)

IT 737264-11-8, Protein (Oryza sativa clone x fragment) 737264-12-9,  
 Protein (Oryza sativa clone x fragment) 737264-13-0, Protein (Oryza  
 sativa clone x fragment) 737264-14-1, Protein (Oryza sativa clone x  
 fragment) 737264-15-2, Protein (Oryza sativa clone x fragment)  
 737264-16-3, Protein (Oryza sativa clone x fragment) 737264-17-4,  
 Protein (Oryza sativa clone x fragment) 737264-18-5, Protein (Oryza  
 sativa clone x fragment) 737264-19-6, Protein (Oryza sativa clone x  
 fragment) 737264-20-9, Protein (Oryza sativa clone x fragment)  
 737264-21-0, Protein (Oryza sativa clone x fragment) 737264-22-1,  
 Protein (Oryza sativa clone x fragment) 737264-23-2, Protein (Oryza  
 sativa clone x fragment) 737264-24-3, Protein (Oryza sativa clone x  
 fragment) 737264-25-4, Protein (Oryza sativa clone x fragment)  
 737264-26-5, Protein (Oryza sativa clone x fragment) 737264-27-6,  
 Protein (Oryza sativa clone x fragment) 737264-28-7, Protein (Oryza  
 sativa clone x fragment) 737264-29-8, Protein (Oryza sativa clone x  
 fragment) 737264-30-1, Protein (Oryza sativa clone x fragment)  
 737264-31-2 737264-32-3, Protein (Oryza sativa clone x fragment)  
 737264-33-4, Protein (Oryza sativa clone x fragment) 737264-34-5,  
 Protein (Oryza sativa clone x fragment) 737264-35-6 737264-36-7  
 737264-37-8, Protein (Oryza sativa clone x fragment) 737264-38-9,

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fragment) 737266-11-4, Protein (Oryza sativa clone x fragment)  
 737266-12-5, Protein (Oryza sativa clone x fragment) 737266-13-6,  
 Protein (Oryza sativa clone x fragment) 737266-14-7, Protein (Oryza  
 sativa clone x fragment) 737266-15-8, Protein (Oryza sativa clone x  
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 737266-17-0, Protein (Oryza sativa clone x fragment) 737266-18-1,  
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 sativa clone x fragment) 737266-20-5, Protein (Oryza sativa clone x  
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 737266-22-7, Protein (Oryza sativa clone x fragment) 737266-23-8  
 737266-24-9, Protein (Oryza sativa clone x fragment) 737266-25-0,  
 Protein (Oryza sativa clone x fragment) 737266-26-1, Protein (Oryza  
 sativa clone x fragment) 737266-27-2, Protein (Oryza sativa clone x  
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 sativa clone x fragment) 737266-32-9, Protein (Oryza sativa clone x  
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 737266-34-1, Protein (Oryza sativa clone x fragment) 737266-35-2,  
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 sativa clone x fragment) 737266-37-4, Protein (Oryza sativa clone x  
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 737266-39-6, Protein (Oryza sativa clone x fragment) 737266-40-9,  
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 sativa clone x fragment) 737266-42-1, Protein (Oryza sativa clone x  
 fragment) 737266-43-2 737266-44-3, Protein (Oryza sativa clone x  
 fragment) 737266-45-4, Protein (Oryza sativa clone x fragment)  
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IT 737266-46-5, Protein (Oryza sativa clone x fragment) 737266-47-6,  
 Protein (Oryza sativa clone x fragment) 737266-48-7, Protein (Oryza  
 sativa clone x fragment) 737266-49-8, Protein (Oryza sativa clone x  
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 737266-51-2, Protein (Oryza sativa clone x fragment) 737266-52-3,  
 Protein (Oryza sativa clone x fragment) 737266-53-4, Protein (Oryza  
 sativa clone x fragment) 737266-54-5 737266-55-6, Protein (Oryza  
 sativa clone x fragment) 737266-56-7, Protein (Oryza sativa clone x  
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 737266-58-9, Protein (Oryza sativa clone x fragment) 737266-59-0,  
 Protein (Oryza sativa clone x fragment) 737266-60-3, Protein (Oryza  
 sativa clone x fragment) 737266-61-4, Protein (Oryza sativa clone x  
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 737266-63-6, Protein (Oryza sativa clone x fragment) 737266-64-7,  
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 sativa clone x fragment) 737266-66-9, Protein (Oryza sativa clone x  
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 737266-68-1, Protein (Oryza sativa clone x fragment) 737266-69-2,  
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 sativa clone x fragment) 737266-71-6, Protein (Oryza sativa clone x  
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 737266-73-8, Protein (Oryza sativa clone x fragment) 737266-74-9,  
 Protein (Oryza sativa clone x fragment) 737266-75-0, Protein (Oryza  
 sativa clone x fragment) 737266-76-1, Protein (Oryza sativa clone x  
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 737266-78-3, Protein (Oryza sativa clone x fragment) 737266-79-4,  
 Protein (Oryza sativa clone x fragment) 737266-80-7, Protein (Oryza  
 sativa clone x fragment) 737266-81-8, Protein (Oryza sativa clone x  
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 737266-83-0, Protein (Oryza sativa clone x fragment) 737266-84-1,  
 Protein (Oryza sativa clone x fragment) 737266-85-2, Protein (Oryza  
 sativa clone x fragment) 737266-86-3, Protein (Oryza sativa clone x  
 fragment) 737266-87-4, Protein (Oryza sativa clone x fragment)  
 737266-88-5, Protein (Oryza sativa clone x fragment) 737266-89-6,  
 Protein (Oryza sativa clone x fragment) 737266-90-9, Protein (Oryza

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737268-67-6, Protein (Oryza sativa clone x fragment) 737268-68-7,  
 Protein (Oryza sativa clone x fragment) 737268-69-8, Protein (Oryza  
 sativa clone x fragment) 737268-70-1, Protein (Oryza sativa clone x  
 fragment) 737268-71-2, Protein (Oryza sativa clone x fragment)  
 737268-72-3, Protein (Oryza sativa clone x fragment) 737268-73-4,  
 Protein (Oryza sativa clone x fragment) 737268-74-5, Protein (Oryza  
 sativa clone x fragment) 737268-75-6, Protein (Oryza sativa clone x  
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 737268-77-8, Protein (Oryza sativa clone x fragment) 737268-78-9,  
 Protein (Oryza sativa clone x fragment) 737268-79-0, Protein (Oryza  
 sativa clone x fragment) 737268-80-3, Protein (Oryza sativa clone x  
 fragment)

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IT 737268-81-4, Protein (Oryza sativa clone x fragment) 737268-82-5,  
 Protein (Oryza sativa clone x fragment) 737268-83-6 737268-84-7,  
 Protein (Oryza sativa clone x fragment) 737268-85-8, Protein (Oryza  
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 737268-88-1, Protein (Oryza sativa clone x fragment) 737268-89-2,  
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 737268-93-8, Protein (Oryza sativa clone x fragment) 737268-94-9,  
 Protein (Oryza sativa clone x fragment) 737268-95-0, Protein (Oryza  
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 737268-98-3, Protein (Oryza sativa clone x fragment) 737268-99-4,  
 Protein (Oryza sativa clone x fragment) 737269-00-0, Protein (Oryza  
 sativa clone x fragment) 737269-01-1, Protein (Oryza sativa clone x  
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 737269-03-3, Protein (Oryza sativa clone x fragment) 737269-04-4,  
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 sativa clone x fragment) 737269-06-6, Protein (Oryza sativa clone x  
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 737269-08-8, Protein (Oryza sativa clone x fragment) 737269-09-9,  
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 sativa clone x fragment) 737269-11-3, Protein (Oryza sativa clone x  
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 737269-13-5, Protein (Oryza sativa clone x fragment) 737269-14-6,  
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 737269-23-7, Protein (Oryza sativa clone x fragment) 737269-24-8,  
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 737269-28-2, Protein (Oryza sativa clone x fragment) 737269-29-3,  
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 sativa clone x fragment) 737269-31-7, Protein (Oryza sativa clone x  
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 737269-33-9, Protein (Oryza sativa clone x fragment) 737269-34-0,  
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 737269-38-4, Protein (Oryza sativa clone x fragment) 737269-39-5,  
 Protein (Oryza sativa clone x fragment) 737269-40-8, Protein (Oryza  
 sativa clone x fragment) 737269-41-9, Protein (Oryza sativa clone x  
 fragment) 737269-42-0, Protein (Oryza sativa clone x fragment)  
 737269-43-1 737269-44-2, Protein (Oryza sativa clone x fragment)

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IT 737271-16-8, Protein (Oryza sativa clone x fragment) 737271-17-9, Protein (Oryza sativa clone x fragment) 737271-18-0, Protein (Oryza sativa clone x fragment) 737271-19-1, Protein (Oryza sativa clone x fragment) 737271-20-4, Protein (Oryza sativa clone x fragment) 737271-21-5, Protein (Oryza sativa clone x fragment) 737271-22-6, Protein (Oryza sativa clone x fragment) 737271-23-7, Protein (Oryza sativa clone x fragment) 737271-24-8, Protein (Oryza sativa clone x fragment) 737271-25-9, Protein (Oryza sativa clone x fragment) 737271-26-0, Protein (Oryza sativa clone x fragment) 737271-27-1, Protein (Oryza sativa clone x fragment) 737271-28-2, Protein (Oryza sativa clone x fragment) 737271-29-3, Protein (Oryza sativa clone x fragment) 737271-30-6, Protein (Oryza sativa clone x fragment) 737271-31-7, Protein (Oryza sativa clone x fragment) 737271-32-8, Protein (Oryza sativa clone x fragment) 737271-33-9, Protein (Oryza sativa clone x fragment) 737271-34-0, Protein (Oryza sativa clone x fragment) 737271-35-1, Protein (Oryza sativa clone x fragment) 737271-36-2, Protein (Oryza sativa clone x fragment) 737271-37-3, Protein (Oryza sativa clone x fragment) 737271-38-4, Protein (Oryza sativa clone x fragment) 737271-39-5, Protein (Oryza sativa clone x fragment) 737271-40-8, Protein (Oryza sativa clone x fragment) 737271-41-9, Protein (Oryza sativa clone x fragment) 737271-42-0, Protein (Oryza sativa clone x fragment) 737271-43-1, Protein (Oryza sativa clone x fragment) 737271-44-2, Protein (Oryza sativa clone x fragment) 737271-45-3, Protein (Oryza sativa clone x fragment) 737271-46-4, Protein (Oryza sativa clone x fragment) 737271-47-5, Protein (Oryza sativa clone x fragment) 737271-48-6, Protein (Oryza sativa clone x fragment) 737271-49-7, Protein (Oryza sativa clone x fragment) 737271-50-0, Protein (Oryza sativa clone x fragment) 737271-51-1, Protein (Oryza sativa clone x fragment) 737271-52-2, Protein (Oryza sativa clone x fragment) 737271-53-3, Protein (Oryza sativa clone x fragment) 737271-54-4, Protein (Oryza sativa clone x fragment) 737271-55-5, Protein (Oryza sativa clone x fragment) 737271-56-6, Protein (Oryza sativa clone x fragment) 737271-57-7, Protein (Oryza sativa clone x fragment) 737271-58-8, Protein (Oryza sativa clone x fragment) 737271-59-9, Protein (Oryza sativa clone x fragment) 737271-60-2, Protein (Oryza sativa clone x fragment) 737271-61-3, Protein (Oryza sativa clone x fragment) 737271-62-4, Protein (Oryza sativa clone x fragment) 737271-63-5, Protein (Oryza sativa clone x fragment) 737271-64-6, Protein (Oryza sativa clone x fragment) 737271-65-7, Protein (Oryza sativa clone x fragment) 737271-66-8, Protein (Oryza sativa clone x fragment) 737271-67-9, Protein (Oryza sativa clone x fragment) 737271-68-0, Protein (Oryza sativa clone x fragment) 737271-69-1, Protein (Oryza sativa clone x fragment) 737271-70-4, Protein (Oryza sativa clone x fragment) 737271-71-5, Protein (Oryza sativa clone x fragment) 737271-72-6, Protein (Oryza sativa clone x fragment) 737271-73-7, Protein (Oryza sativa clone x fragment) 737271-74-8, Protein (Oryza sativa clone x fragment) 737271-75-9, Protein (Oryza sativa clone x fragment) 737271-76-0, Protein (Oryza sativa clone x fragment) 737271-77-1, Protein (Oryza sativa clone x fragment) 737271-78-2, Protein (Oryza sativa clone x fragment) 737271-79-3, Protein (Oryza sativa clone x fragment) 737271-80-6, Protein (Oryza sativa clone x fragment) 737271-81-7, Protein (Oryza sativa clone x fragment) 737271-82-8, Protein (Oryza sativa clone x fragment) 737271-83-9, Protein (Oryza sativa clone x fragment) 737271-84-0, Protein (Oryza sativa clone x fragment) 737271-85-1, Protein (Oryza sativa clone x fragment) 737271-86-2, Protein (Oryza sativa clone x fragment) 737271-87-3, Protein (Oryza sativa clone x fragment) 737271-88-4, Protein (Oryza sativa clone x fragment) 737271-89-5, Protein (Oryza sativa clone x fragment) 737271-90-8, Protein (Oryza sativa clone x fragment) 737271-91-9, Protein (Oryza sativa clone x fragment) 737271-92-0, Protein (Oryza sativa clone x fragment) 737271-93-1, Protein (Oryza sativa clone x fragment) 737271-94-2, Protein (Oryza sativa clone x fragment) 737271-95-3, Protein (Oryza sativa clone x fragment) 737271-96-4, Protein (Oryza sativa clone x fragment) 737271-97-5, Protein (Oryza

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Protein (Oryza sativa clone x fragment) 737272-89-8, Protein (Oryza sativa clone x fragment) 737272-90-1, Protein (Oryza sativa clone x fragment) 737272-91-2, Protein (Oryza sativa clone x fragment) 737272-92-3, Protein (Oryza sativa clone x fragment) 737272-93-4, Protein (Oryza sativa clone x fragment) 737272-94-5, Protein (Oryza sativa clone x fragment) 737272-95-6, Protein (Oryza sativa clone x fragment) 737272-96-7, Protein (Oryza sativa clone x fragment) 737272-97-8, Protein (Oryza sativa clone x fragment) 737272-98-9, Protein (Oryza sativa clone x fragment) 737272-99-0, Protein (Oryza sativa clone x fragment) 737273-00-6, Protein (Oryza sativa clone x fragment) 737273-01-7, Protein (Oryza sativa clone x fragment) 737273-02-8, Protein (Oryza sativa clone x fragment) 737273-03-9, Protein (Oryza sativa clone x fragment) 737273-04-0, Protein (Oryza sativa clone x fragment) 737273-05-1, Protein (Oryza sativa clone x fragment) 737273-06-2, Protein (Oryza sativa clone x fragment) 737273-07-3, Protein (Oryza sativa clone x fragment) 737273-08-4, Protein (Oryza sativa clone x fragment) 737273-09-5, Protein (Oryza sativa clone x fragment) 737273-10-8, Protein (Oryza sativa clone x fragment) 737273-11-9, Protein (Oryza sativa clone x fragment) 737273-12-0, Protein (Oryza sativa clone x fragment) 737273-13-1, Protein (Oryza sativa clone x fragment) 737273-14-2, Protein (Oryza sativa clone x fragment) 737273-15-3, Protein (Oryza sativa clone x fragment) 737273-16-4, Protein (Oryza sativa clone x fragment) 737273-17-5, Protein (Oryza sativa clone x fragment) 737273-18-6, Protein (Oryza sativa clone x fragment) 737273-19-7, Protein (Oryza sativa clone x fragment) 737273-20-0, Protein (Oryza sativa clone x fragment) 737273-21-1, Protein (Oryza sativa clone x fragment) 737273-22-2, Protein (Oryza sativa clone x fragment) 737273-23-3, Protein (Oryza sativa clone x fragment) 737273-24-4, Protein (Oryza sativa clone x fragment) 737273-25-5, Protein (Oryza sativa clone x fragment) 737273-26-6, Protein (Oryza sativa clone x fragment) 737273-27-7, Protein (Oryza sativa clone x fragment) 737273-28-8, Protein (Oryza sativa clone x fragment) 737273-29-9, Protein (Oryza sativa clone x fragment) 737273-30-2, Protein (Oryza sativa clone x fragment) 737273-31-3, Protein (Oryza sativa clone x fragment) 737273-32-4, Protein (Oryza sativa clone x fragment) 737273-33-5, Protein (Oryza sativa clone x fragment) 737273-34-6, Protein (Oryza sativa clone x fragment) 737273-35-7, Protein (Oryza sativa clone x fragment) 737273-36-8, Protein (Oryza sativa clone x fragment) 737273-37-9, Protein (Oryza sativa clone x fragment) 737273-38-0, Protein (Oryza sativa clone x fragment) 737273-39-1, Protein (Oryza sativa clone x fragment) 737273-40-4, Protein (Oryza sativa clone x fragment) 737273-41-5, Protein (Oryza sativa clone x fragment) 737273-42-6, Protein (Oryza sativa clone x fragment) 737273-43-7, Protein (Oryza sativa clone x fragment) 737273-44-8, Protein (Oryza sativa clone x fragment) 737273-45-9, Protein (Oryza sativa clone x fragment) 737273-46-0, Protein (Oryza sativa clone x fragment) 737273-47-1, Protein (Oryza sativa clone x fragment) 737273-48-2, Protein (Oryza sativa clone x fragment) 737273-49-3, Protein (Oryza sativa clone x fragment) 737273-50-6, Protein (Oryza sativa clone x fragment)

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737273-51-7, Protein (Oryza sativa clone x fragment) 737273-52-8, Protein (Oryza sativa clone x fragment) 737273-53-9, Protein (Oryza sativa clone x fragment) 737273-54-0, Protein (Oryza sativa clone x fragment) 737273-55-1, Protein (Oryza sativa clone x fragment) 737273-56-2, Protein (Oryza sativa clone x fragment) 737273-57-3, Protein (Oryza sativa clone x fragment) 737273-58-4, Protein (Oryza sativa clone x fragment) 737273-59-5, Protein (Oryza sativa clone x fragment) 737273-60-8, Protein (Oryza sativa clone x fragment) 737273-61-9, Protein (Oryza sativa clone x fragment) 737273-62-0, Protein (Oryza sativa clone x fragment) 737273-63-1, Protein (Oryza sativa clone x fragment) 737273-64-2, Protein (Oryza sativa clone x fragment) 737273-65-3, Protein (Oryza sativa clone x fragment) 737273-66-4, Protein (Oryza sativa clone x fragment) 737273-67-5, Protein (Oryza sativa clone x fragment) 737273-68-6, Protein (Oryza sativa clone x fragment) 737273-69-7, Protein (Oryza sativa clone x fragment)

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IT 737275-86-4, Protein (Oryza sativa clone x fragment) 737275-87-5, Protein (Oryza sativa clone x fragment) 737275-88-6, Protein (Oryza sativa clone x fragment) 737275-89-7, Protein (Oryza sativa clone x fragment) 737275-90-0, Protein (Oryza sativa clone x fragment) 737275-91-1, Protein (Oryza sativa clone x fragment) 737275-92-2, Protein (Oryza sativa clone x fragment) 737275-93-3, Protein (Oryza sativa clone x fragment) 737275-94-4, Protein (Oryza sativa clone x fragment) 737275-95-5, Protein (Oryza sativa clone x fragment) 737275-96-6, Protein (Oryza sativa clone x fragment) 737275-97-7, Protein (Oryza sativa clone x fragment) 737275-98-8, Protein (Oryza sativa clone x fragment) 737275-99-9, Protein (Oryza sativa clone x fragment) 737276-00-5, Protein (Oryza sativa clone x fragment) 737276-01-6, Protein (Oryza sativa clone x fragment) 737276-02-7, Protein (Oryza sativa clone x fragment) 737276-03-8, Protein (Oryza sativa clone x fragment) 737276-04-9, Protein (Oryza sativa clone x fragment) 737276-05-0, Protein (Oryza sativa clone x fragment) 737276-06-1, Protein (Oryza sativa clone x fragment) 737276-07-2, Protein (Oryza sativa clone x fragment) 737276-08-3, Protein (Oryza sativa clone x fragment) 737276-09-4, Protein (Oryza sativa clone x fragment) 737276-10-7, Protein (Oryza sativa clone x fragment) 737276-11-8, Protein (Oryza sativa clone x fragment) 737276-12-9, Protein (Oryza sativa clone x fragment) 737276-13-0, Protein (Oryza sativa clone x fragment) 737276-14-1, Protein (Oryza sativa clone x fragment) 737276-15-2, Protein (Oryza sativa clone x fragment) 737276-16-3, Protein (Oryza sativa clone x fragment) 737276-17-4, Protein (Oryza sativa clone x fragment) 737276-18-5, Protein (Oryza sativa clone x fragment) 737276-19-6, Protein (Oryza sativa clone x fragment) 737276-20-9, Protein (Oryza sativa clone x fragment) 737276-21-0 737276-22-1 737276-23-2, Protein (Oryza sativa clone x fragment) 737276-24-3, Protein (Oryza sativa clone x fragment) 737276-25-4, Protein (Oryza sativa clone x fragment) 737276-26-5.

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sativa clone x fragment) 737278-00-1 737278-01-2, Protein (Oryza sativa clone x fragment) 737278-02-3, Protein (Oryza sativa clone x fragment) 737278-03-4, Protein (Oryza sativa clone x fragment) 737278-04-5, Protein (Oryza sativa clone x fragment) 737278-05-6, Protein (Oryza sativa clone x fragment) 737278-06-7, Protein (Oryza sativa clone x fragment) 737278-07-8, Protein (Oryza sativa clone x fragment) 737278-08-9, Protein (Oryza sativa clone x fragment) 737278-09-0, Protein (Oryza sativa clone x fragment) 737278-10-3, Protein (Oryza sativa clone x fragment) 737278-11-4, Protein (Oryza sativa clone x fragment) 737278-12-5, Protein (Oryza sativa clone x fragment) 737278-13-6, Protein (Oryza sativa clone x fragment) 737278-14-7, Protein (Oryza sativa clone x fragment) 737278-15-8, Protein (Oryza sativa clone x fragment) 737278-16-9, Protein (Oryza sativa clone x fragment) 737278-17-0, Protein (Oryza sativa clone x fragment) 737278-18-1, Protein (Oryza sativa clone x fragment) 737278-19-2, Protein (Oryza sativa clone x fragment) 737278-20-5, Protein (Oryza sativa clone x fragment)  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737278-21-6, Protein (Oryza sativa clone x fragment) 737278-22-7, Protein (Oryza sativa clone x fragment) 737278-23-8, Protein (Oryza sativa clone x fragment) 737278-24-9, Protein (Oryza sativa clone x fragment) 737278-25-0, Protein (Oryza sativa clone x fragment) 737278-26-1, Protein (Oryza sativa clone x fragment) 737278-27-2, Protein (Oryza sativa clone x fragment) 737278-28-3 737278-29-4 737278-30-7, Protein (Oryza sativa clone x fragment) 737278-31-8, Protein (Oryza sativa clone x fragment) 737278-32-9, Protein (Oryza sativa clone x fragment) 737278-33-0 737278-34-1, Protein (Oryza sativa clone x fragment) 737278-35-2, Protein (Oryza sativa clone x fragment) 737278-36-3, Protein (Oryza sativa clone x fragment) 737278-37-4, Protein (Oryza sativa clone x fragment) 737278-38-5, Protein (Oryza sativa clone x fragment) 737278-39-6, Protein (Oryza sativa clone x fragment) 737278-40-9, Protein (Oryza sativa clone x fragment) 737278-41-0, Protein (Oryza sativa clone x fragment) 737278-42-1, Protein (Oryza sativa clone x fragment) 737278-43-2, Protein (Oryza sativa clone x fragment) 737278-44-3 737278-45-4, Protein (Oryza sativa clone x fragment) 737278-46-5, Protein (Oryza sativa clone x fragment) 737278-47-6, Protein (Oryza sativa clone x fragment) 737278-48-7, Protein (Oryza sativa clone x fragment) 737278-49-8, Protein (Oryza sativa clone x fragment) 737278-50-1, Protein (Oryza sativa clone x fragment) 737278-51-2, Protein (Oryza sativa clone x fragment) 737278-52-3 737278-53-4, Protein (Oryza sativa clone x fragment) 737278-54-5, Protein (Oryza sativa clone x fragment) 737278-55-6, Protein (Oryza sativa clone x fragment) 737278-56-7, Protein (Oryza sativa clone x fragment) 737278-57-8 737278-58-9 737278-59-0, Protein (Oryza sativa clone x fragment) 737278-60-3, Protein (Oryza sativa clone x fragment) 737278-61-4, Protein (Oryza sativa clone x fragment) 737278-62-5, Protein (Oryza sativa clone x fragment) 737278-63-6, Protein (Oryza sativa clone x fragment) 737278-64-7 737278-65-8, Protein (Oryza sativa clone x fragment) 737278-66-9, Protein (Oryza sativa clone x fragment) 737278-67-0, Protein (Oryza sativa clone x fragment) 737278-68-1, Protein (Oryza sativa clone x fragment) 737278-69-2, Protein (Oryza sativa clone x fragment) 737278-70-5, Protein (Oryza sativa clone x fragment) 737278-71-6, Protein (Oryza sativa clone x fragment) 737278-72-7, Protein (Oryza sativa clone x fragment) 737278-73-8, Protein (Oryza sativa clone x fragment) 737278-74-9, Protein (Oryza sativa clone x fragment) 737278-75-0, Protein (Oryza sativa clone x fragment) 737278-76-1, Protein (Oryza sativa clone x fragment) 737278-77-2, Protein (Oryza sativa clone x fragment) 737278-78-3, Protein (Oryza sativa clone x fragment) 737278-79-4, Protein (Oryza sativa clone x fragment) 737278-80-7, Protein (Oryza sativa clone x fragment) 737278-81-8, Protein (Oryza sativa clone x fragment) 737278-82-9, Protein (Oryza sativa clone x fragment) 737278-83-0,

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Protein (Oryza sativa clone x fragment) 737280-55-6, Protein (Oryza sativa clone x fragment)  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737280-56-7, Protein (Oryza sativa clone x fragment) 737280-57-8, Protein (Oryza sativa clone x fragment) 737280-58-9, Protein (Oryza sativa clone x fragment) 737280-59-0, Protein (Oryza sativa clone x fragment) 737280-60-3, Protein (Oryza sativa clone x fragment) 737280-61-4, Protein (Oryza sativa clone x fragment) 737280-62-5, Protein (Oryza sativa clone x fragment) 737280-63-6, Protein (Oryza sativa clone x fragment) 737280-64-7, Protein (Oryza sativa clone x fragment) 737280-65-8, Protein (Oryza sativa clone x fragment) 737280-66-9, Protein (Oryza sativa clone x fragment) 737280-67-0, Protein (Oryza sativa clone x fragment) 737280-68-1, Protein (Oryza sativa clone x fragment) 737280-69-2, Protein (Oryza sativa clone x fragment) 737280-70-5, Protein (Oryza sativa clone x fragment) 737280-71-6, Protein (Oryza sativa clone x fragment) 737280-72-7, Protein (Oryza sativa clone x fragment) 737280-73-8, Protein (Oryza sativa clone x fragment) 737280-74-9, Protein (Oryza sativa clone x fragment) 737280-75-0, Protein (Oryza sativa clone x fragment) 737280-76-1, Protein (Oryza sativa clone x fragment) 737280-77-2, Protein (Oryza sativa clone x fragment) 737280-78-3, Protein (Oryza sativa clone x fragment) 737280-79-4, Protein (Oryza sativa clone x fragment) 737280-80-7, Protein (Oryza sativa clone x fragment) 737280-81-8, Protein (Oryza sativa clone x fragment) 737280-82-9, Protein (Oryza sativa clone x fragment) 737280-83-0, Protein (Oryza sativa clone x fragment) 737280-84-1, Protein (Oryza sativa clone x fragment) 737280-85-2, Protein (Oryza sativa clone x fragment) 737280-86-3, Protein (Oryza sativa clone x fragment) 737280-87-4, Protein (Oryza sativa clone x fragment) 737280-88-5 737280-89-6 737280-90-9, Protein (Oryza sativa clone x fragment) 737280-91-0, Protein (Oryza sativa clone x fragment) 737280-92-1, Protein (Oryza sativa clone x fragment) 737280-93-2, Protein (Oryza sativa clone x fragment) 737280-94-3, Protein (Oryza sativa clone x fragment) 737280-95-4, Protein (Oryza sativa clone x fragment) 737280-96-5, Protein (Oryza sativa clone x fragment) 737280-97-6, Protein (Oryza sativa clone x fragment) 737280-98-7, Protein (Oryza sativa clone x fragment) 737280-99-8, Protein (Oryza sativa clone x fragment) 737281-00-4, Protein (Oryza sativa clone x fragment) 737281-01-5, Protein (Oryza sativa clone x fragment) 737281-02-6, Protein (Oryza sativa clone x fragment) 737281-03-7, Protein (Oryza sativa clone x fragment) 737281-04-8, Protein (Oryza sativa clone x fragment) 737281-05-9, Protein (Oryza sativa clone x fragment) 737281-06-0, Protein (Oryza sativa clone x fragment) 737281-07-1, Protein (Oryza sativa clone x fragment) 737281-08-2, Protein (Oryza sativa clone x fragment) 737281-09-3, Protein (Oryza sativa clone x fragment) 737281-10-6, Protein (Oryza sativa clone x fragment) 737281-11-7, Protein (Oryza sativa clone x fragment) 737281-12-8, Protein (Oryza sativa clone x fragment) 737281-13-9, Protein (Oryza sativa clone x fragment) 737281-14-0, Protein (Oryza sativa clone x fragment) 737281-15-1, Protein (Oryza sativa clone x fragment) 737281-16-2, Protein (Oryza sativa clone x fragment) 737281-17-3, Protein (Oryza sativa clone x fragment) 737281-18-4, Protein (Oryza sativa clone x fragment) 737281-19-5 737281-20-8, Protein (Oryza sativa clone x fragment) 737281-21-9 737281-22-0, Protein (Oryza sativa clone x fragment) 737281-23-1, Protein (Oryza sativa clone x fragment) 737281-24-2, Protein (Oryza sativa clone x fragment) 737281-25-3, Protein (Oryza sativa clone x fragment) 737281-26-4, Protein (Oryza sativa clone x fragment) 737281-27-5, Protein (Oryza sativa clone x fragment) 737281-28-6, Protein (Oryza sativa clone x fragment) 737281-29-7, Protein (Oryza sativa clone x fragment) 737281-30-0, Protein (Oryza sativa clone x fragment) 737281-31-1, Protein (Oryza sativa clone x fragment) 737281-32-2, Protein (Oryza sativa clone x fragment) 737281-33-3, Protein (Oryza sativa clone x fragment)

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737282-18-7, Protein (Oryza sativa clone x fragment) 737282-19-8,  
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 737282-71-2, Protein (Oryza sativa clone x fragment) 737282-72-3,  
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 737282-88-1, Protein (Oryza sativa clone x fragment) 737282-89-2,  
 Protein (Oryza sativa clone x fragment) 737282-90-5, Protein (Oryza  
 sativa clone x fragment)

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 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737282-91-6, Protein (Oryza sativa clone x fragment) 737282-92-7,  
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 sativa clone x fragment) 737282-94-9, Protein (Oryza sativa clone x  
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 737282-96-1, Protein (Oryza sativa clone x fragment) 737282-97-2,  
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737284-73-0, Protein (Oryza sativa clone x fragment) 737284-74-1,  
 Protein (Oryza sativa clone x fragment) 737284-75-2, Protein (Oryza  
 sativa clone x fragment) 737284-76-3, Protein (Oryza sativa clone x  
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 737284-78-5, Protein (Oryza sativa clone x fragment) 737284-79-6,  
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 737284-85-4 737284-86-5, Protein (Oryza sativa clone x fragment)  
 737284-87-6, Protein (Oryza sativa clone x fragment) 737284-88-7,  
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 sativa clone x fragment) 737284-90-1, Protein (Oryza sativa clone x  
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 737284-92-3, Protein (Oryza sativa clone x fragment) 737284-93-4,  
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 737285-02-8, Protein (Oryza sativa clone x fragment) 737285-03-9,  
 Protein (Oryza sativa clone x fragment) 737285-04-0, Protein (Oryza  
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 737285-07-3, Protein (Oryza sativa clone x fragment) 737285-08-4,  
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 737285-16-4, Protein (Oryza sativa clone x fragment) 737285-17-5,  
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 737285-21-1, Protein (Oryza sativa clone x fragment) 737285-22-2,  
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 Protein (Oryza sativa clone x fragment) 737285-25-5, Protein (Oryza  
 sativa clone x fragment)

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737285-26-6, Protein (Oryza sativa clone x fragment) 737285-27-7,  
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 737285-31-3 737285-32-4, Protein (Oryza sativa clone x fragment)  
 737285-33-5, Protein (Oryza sativa clone x fragment) 737285-34-6,  
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 sativa clone x fragment) 737285-36-8, Protein (Oryza sativa clone x  
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 737285-38-0, Protein (Oryza sativa clone x fragment) 737285-39-1,  
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 sativa clone x fragment) 737285-41-5, Protein (Oryza sativa clone x  
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 737285-43-7, Protein (Oryza sativa clone x fragment) 737285-44-8,  
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 sativa clone x fragment) 737285-46-0, Protein (Oryza sativa clone x  
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 737285-48-2, Protein (Oryza sativa clone x fragment) 737285-49-3,  
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 sativa clone x fragment) 737285-51-7, Protein (Oryza sativa clone x  
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 737285-53-9 737285-54-0, Protein (Oryza sativa clone x fragment)

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Protein (Oryza sativa clone x fragment) 737287-32-0, Protein (Oryza sativa clone x fragment) 737287-33-1, Protein (Oryza sativa clone x fragment) 737287-34-2, Protein (Oryza sativa clone x fragment) 737287-35-3, Protein (Oryza sativa clone x fragment) 737287-36-4, Protein (Oryza sativa clone x fragment) 737287-37-5, Protein (Oryza sativa clone x fragment) 737287-38-6, Protein (Oryza sativa clone x fragment) 737287-39-7, Protein (Oryza sativa clone x fragment) 737287-40-0, Protein (Oryza sativa clone x fragment) 737287-41-1, Protein (Oryza sativa clone x fragment) 737287-42-2, Protein (Oryza sativa clone x fragment) 737287-43-3, Protein (Oryza sativa clone x fragment) 737287-44-4, Protein (Oryza sativa clone x fragment) 737287-45-5, Protein (Oryza sativa clone x fragment) 737287-46-6, Protein (Oryza sativa clone x fragment) 737287-47-7, Protein (Oryza sativa clone x fragment) 737287-48-8, Protein (Oryza sativa clone x fragment) 737287-49-9, Protein (Oryza sativa clone x fragment) 737287-50-2, Protein (Oryza sativa clone x fragment) 737287-51-3, Protein (Oryza sativa clone x fragment) 737287-52-4, Protein (Oryza sativa clone x fragment) 737287-53-5, Protein (Oryza sativa clone x fragment) 737287-54-6, Protein (Oryza sativa clone x fragment) 737287-55-7, Protein (Oryza sativa clone x fragment) 737287-56-8, Protein (Oryza sativa clone x fragment) 737287-57-9, Protein (Oryza sativa clone x fragment) 737287-58-0, Protein (Oryza sativa clone x fragment) 737287-59-1, Protein (Oryza sativa clone x fragment) 737287-60-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737287-61-5, Protein (Oryza sativa clone x fragment) 737287-62-6, Protein (Oryza sativa clone x fragment) 737287-63-7, Protein (Oryza sativa clone x fragment) 737287-64-8, Protein (Oryza sativa clone x fragment) 737287-65-9, Protein (Oryza sativa clone x fragment) 737287-66-0, Protein (Oryza sativa clone x fragment) 737287-67-1, Protein (Oryza sativa clone x fragment) 737287-68-2, Protein (Oryza sativa clone x fragment) 737287-69-3, Protein (Oryza sativa clone x fragment) 737287-70-6, Protein (Oryza sativa clone x fragment) 737287-71-7, Protein (Oryza sativa clone x fragment) 737287-72-8, Protein (Oryza sativa clone x fragment) 737287-73-9, Protein (Oryza sativa clone x fragment) 737287-74-0, Protein (Oryza sativa clone x fragment) 737287-75-1, Protein (Oryza sativa clone x fragment) 737287-76-2, Protein (Oryza sativa clone x fragment) 737287-77-3, Protein (Oryza sativa clone x fragment) 737287-78-4, Protein (Oryza sativa clone x fragment) 737287-79-5, Protein (Oryza sativa clone x fragment) 737287-80-8, Protein (Oryza sativa clone x fragment) 737287-81-9, Protein (Oryza sativa clone x fragment) 737287-82-0, Protein (Oryza sativa clone x fragment) 737287-83-1, Protein (Oryza sativa clone x fragment) 737287-84-2, Protein (Oryza sativa clone x fragment) 737287-85-3, Protein (Oryza sativa clone x fragment) 737287-86-4, Protein (Oryza sativa clone x fragment) 737287-87-5, Protein (Oryza sativa clone x fragment) 737287-88-6, Protein (Oryza sativa clone x fragment) 737287-89-7, Protein (Oryza sativa clone x fragment) 737287-90-0, Protein (Oryza sativa clone x fragment) 737287-91-1, Protein (Oryza sativa clone x fragment) 737287-92-2, Protein (Oryza sativa clone x fragment) 737287-93-3, Protein (Oryza sativa clone x fragment) 737287-94-4, Protein (Oryza sativa clone x fragment) 737287-95-5, Protein (Oryza sativa clone x fragment) 737287-96-6, Protein (Oryza sativa clone x fragment) 737287-97-7, Protein (Oryza sativa clone x fragment) 737287-98-8, Protein (Oryza sativa clone x fragment) 737287-99-9, Protein (Oryza sativa clone x fragment) 737288-00-5, Protein (Oryza sativa clone x fragment) 737288-01-6, Protein (Oryza sativa clone x fragment) 737288-02-7, Protein (Oryza sativa clone x fragment) 737288-03-8, Protein (Oryza sativa clone x fragment) 737288-04-9, Protein (Oryza sativa clone x fragment) 737288-05-0, Protein (Oryza sativa clone x fragment) 737288-06-1, Protein (Oryza sativa clone x fragment) 737288-07-2, Protein (Oryza sativa clone x fragment) 737288-08-3, Protein (Oryza sativa clone x fragment) 737288-09-4, Protein (Oryza sativa clone x fragment) 737288-10-7, Protein (Oryza sativa clone x fragment) 737288-11-8, Protein (Oryza

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sativa clone x fragment) 737289-86-0, Protein (Oryza sativa clone x fragment)  
 737289-87-1, Protein (Oryza sativa clone x fragment)  
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 737289-95-1, Protein (Oryza sativa clone x fragment)  
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 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737289-96-2, Protein (Oryza sativa clone x fragment) 737289-97-3,  
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 737290-64-1, Protein (Oryza sativa clone x fragment) 737290-65-2,  
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737291-52-0, Protein (Oryza sativa clone x fragment) 737291-53-1,  
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 Protein (Oryza sativa clone x fragment) 737292-26-1, Protein (Oryza  
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 737292-29-4, Protein (Oryza sativa clone x fragment) 737292-30-7,  
 Protein (Oryza sativa clone x fragment)

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IT 737292-31-8, Protein (Oryza sativa clone x fragment) 737292-32-9,  
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fragment) 737294-11-0, Protein (Oryza sativa clone x fragment)  
 737294-12-1, Protein (Oryza sativa clone x fragment) 737294-13-2,  
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 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
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 IT 737294-66-5, Protein (Oryza sativa clone x fragment) 737294-67-6,  
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 737294-81-4, Protein (Oryza sativa clone x fragment) 737294-82-5,  
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 737294-86-9, Protein (Oryza sativa clone x fragment) 737294-87-0,  
 Protein (Oryza sativa clone x fragment) 737294-88-1, Protein (Oryza  
 sativa clone x fragment) 737294-89-2, Protein (Oryza sativa clone x

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737296-66-1, Protein (Oryza sativa clone x fragment) 737296-67-2  
 737296-68-3, Protein (Oryza sativa clone x fragment) 737296-69-4,  
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 737296-75-2, Protein (Oryza sativa clone x fragment) 737296-76-3  
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 sativa clone x fragment) 737297-00-6, Protein (Oryza sativa clone x  
 fragment)

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737297-01-7, Protein (Oryza sativa clone x fragment) 737297-02-8,  
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 sativa clone x fragment) 737297-04-0, Protein (Oryza sativa clone x  
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 737297-06-2, Protein (Oryza sativa clone x fragment) 737297-07-3,  
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 737297-16-4, Protein (Oryza sativa clone x fragment) 737297-17-5,  
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 737297-43-7, Protein (Oryza sativa clone x fragment) 737297-44-8,  
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fragment) 737299-16-0, Protein (Oryza sativa clone x fragment)  
 737299-17-1, Protein (Oryza sativa clone x fragment) 737299-18-2,  
 Protein (Oryza sativa clone x fragment) 737299-19-3, Protein (Oryza  
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 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737299-36-4, Protein (Oryza sativa clone x fragment) 737299-37-5,  
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Protein (Oryza sativa clone x fragment) 737301-65-4, Protein (Oryza sativa clone x fragment) 737301-66-5, Protein (Oryza sativa clone x fragment) 737301-67-6, Protein (Oryza sativa clone x fragment) 737301-68-7, Protein (Oryza sativa clone x fragment) 737301-69-8, Protein (Oryza sativa clone x fragment) 737301-70-1, Protein (Oryza sativa clone x fragment)

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737301-71-2, Protein (Oryza sativa clone x fragment) 737301-72-3, Protein (Oryza sativa clone x fragment) 737301-73-4, Protein (Oryza sativa clone x fragment) 737301-74-5, Protein (Oryza sativa clone x fragment) 737301-75-6, Protein (Oryza sativa clone x fragment) 737301-76-7, Protein (Oryza sativa clone x fragment) 737301-77-8, Protein (Oryza sativa clone x fragment) 737301-78-9, Protein (Oryza sativa clone x fragment) 737301-79-0, Protein (Oryza sativa clone x fragment) 737301-80-3, Protein (Oryza sativa clone x fragment) 737301-81-4, Protein (Oryza sativa clone x fragment) 737301-82-5, Protein (Oryza sativa clone x fragment) 737301-83-6, Protein (Oryza sativa clone x fragment) 737301-84-7, Protein (Oryza sativa clone x fragment) 737301-85-8, Protein (Oryza sativa clone x fragment) 737301-86-9, Protein (Oryza sativa clone x fragment) 737301-87-0, Protein (Oryza sativa clone x fragment) 737301-88-1, Protein (Oryza sativa clone x fragment) 737301-89-2, Protein (Oryza sativa clone x fragment) 737301-90-5, Protein (Oryza sativa clone x fragment) 737301-91-6, Protein (Oryza sativa clone x fragment) 737301-92-7, Protein (Oryza sativa clone x fragment) 737301-93-8, Protein (Oryza sativa clone x fragment) 737301-94-9, Protein (Oryza sativa clone x fragment) 737301-95-0, Protein (Oryza sativa clone x fragment) 737301-96-1, Protein (Oryza sativa clone x fragment) 737301-97-2, Protein (Oryza sativa clone x fragment) 737301-98-3 737301-99-4 737302-00-0, Protein (Oryza sativa clone x fragment) 737302-01-1, Protein (Oryza sativa clone x fragment) 737302-02-2, Protein (Oryza sativa clone x fragment) 737302-03-3, Protein (Oryza sativa clone x fragment) 737302-04-4, Protein (Oryza sativa clone x fragment) 737302-05-5, Protein (Oryza sativa clone x fragment) 737302-06-6, Protein (Oryza sativa clone x fragment) 737302-07-7, Protein (Oryza sativa clone x fragment) 737302-08-8, Protein (Oryza sativa clone x fragment) 737302-09-9, Protein (Oryza sativa clone x fragment) 737302-10-2, Protein (Oryza sativa clone x fragment) 737302-11-3, Protein (Oryza sativa clone x fragment) 737302-12-4, Protein (Oryza sativa clone x fragment) 737302-13-5, Protein (Oryza sativa clone x fragment) 737302-14-6, Protein (Oryza sativa clone x fragment) 737302-15-7, Protein (Oryza sativa clone x fragment) 737302-16-8, Protein (Oryza sativa clone x fragment) 737302-17-9, Protein (Oryza sativa clone x fragment) 737302-18-0, Protein (Oryza sativa clone x fragment) 737302-19-1, Protein (Oryza sativa clone x fragment) 737302-20-4 737302-21-5, Protein (Oryza sativa clone x fragment) 737302-22-6, Protein (Oryza sativa clone x fragment) 737302-23-7, Protein (Oryza sativa clone x fragment) 737302-24-8, Protein (Oryza sativa clone x fragment) 737302-25-9, Protein (Oryza sativa clone x fragment) 737302-26-0, Protein (Oryza sativa clone x fragment) 737302-27-1, Protein (Oryza sativa clone x fragment) 737302-28-2, Protein (Oryza sativa clone x fragment) 737302-29-3, Protein (Oryza sativa clone x fragment) 737302-30-6, Protein (Oryza sativa clone x fragment) 737302-31-7 737302-32-8, Protein (Oryza sativa clone x fragment) 737302-33-9 737302-34-0, Protein (Oryza sativa clone x fragment) 737302-35-1, Protein (Oryza sativa clone x fragment) 737302-36-2, Protein (Oryza sativa clone x fragment) 737302-37-3, Protein (Oryza sativa clone x fragment) 737302-38-4, Protein (Oryza sativa clone x fragment) 737302-39-5, Protein (Oryza sativa clone x fragment) 737302-40-8, Protein (Oryza sativa clone x fragment) 737302-41-9, Protein (Oryza sativa clone x fragment) 737302-42-0, Protein (Oryza sativa clone x fragment) 737302-43-1, Protein (Oryza sativa clone x fragment) 737302-44-2, Protein (Oryza sativa clone x

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fragment) 737303-41-2, Protein (Oryza sativa clone x fragment)  
 737303-42-3, Protein (Oryza sativa clone x fragment) 737303-43-4,  
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 737303-98-9, Protein (Oryza sativa clone x fragment) 737303-99-0,  
 Protein (Oryza sativa clone x fragment) 737304-00-6, Protein (Oryza  
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 737304-03-9, Protein (Oryza sativa clone x fragment) 737304-04-0,  
 Protein (Oryza sativa clone x fragment) 737304-05-1, Protein (Oryza  
 sativa clone x fragment)

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IT 737304-06-2, Protein (Oryza sativa clone x fragment) 737304-07-3,  
 Protein (Oryza sativa clone x fragment) 737304-08-4, Protein (Oryza  
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 sativa clone x fragment) 737304-19-7, Protein (Oryza sativa clone x

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fragment) 737305-95-2 737305-96-3, Protein (Oryza sativa clone x fragment)  
 737305-97-4, Protein (Oryza sativa clone x fragment)  
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 737306-38-6, Protein (Oryza sativa clone x fragment) 737306-39-7,  
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IT 737306-41-1, Protein (Oryza sativa clone x fragment) 737306-42-2,  
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 737306-64-8, Protein (Oryza sativa clone x fragment)  
 737306-65-9, Protein (Oryza sativa clone x fragment)  
 737306-66-0, Protein (Oryza sativa clone x fragment) 737306-67-1,  
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 737306-69-3, Protein (Oryza sativa clone x fragment)  
 737306-70-6, Protein (Oryza sativa clone x fragment)  
 737306-71-7, Protein (Oryza sativa clone x fragment) 737306-72-8,

Search done by Noble Jarrell

Search done by Noble Jarrell

737308-44-0, Protein (Oryza sativa clone x fragment) 737308-45-1,  
 Protein (Oryza sativa clone x fragment) 737308-46-2, Protein (Oryza  
 sativa clone x fragment) 737308-47-3, Protein (Oryza sativa clone x  
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 737308-54-2, Protein (Oryza sativa clone x fragment) 737308-55-3  
 737308-56-4, Protein (Oryza sativa clone x fragment) 737308-57-5,  
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 737308-68-8, Protein (Oryza sativa clone x fragment) 737308-69-9,  
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 737308-73-5, Protein (Oryza sativa clone x fragment) 737308-74-6,  
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RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 737308-76-8, Protein (Oryza sativa clone x fragment) 737308-77-9,  
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RL: BSU (Biological study, unclassified); BUU (Biological use,

unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved production of; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen,  
 biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; rice nucleic acid mols. and encoded  
 proteins and their uses for plant improvement)

IT 737267-23-1, Protein (Oryza sativa clone x fragment)  
 737273-79-9, Protein (Oryza sativa clone x fragment)  
 737273-81-3, Protein (Oryza sativa clone x fragment)  
 737284-42-3, Protein (Oryza sativa clone x fragment)  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

RN 737267-23-1 HCAPLUS  
 CN Protein (Oryza sativa clone x fragment) (9CI) (CA INDEX NAME)

SEQ 1 SVAGFGTSFS FFLSFLHNYS LLFSPLLLPF APRNAAKLRF ACLHATICAR  
 51 HSDRSIDRSM GSSDQXGDRD RRGSGGGGG GWEAVLRRMR RHHHAHVARR  
 101 PDRPXSLCNA CGIRYRKRR QELGLDKKQQ QEHHPHHHQQ QQQYQRQQQ  
 151 QQQQEDHSDA ASSVKDSSSS SSNKSSSLQV ISEIVISRSK SDCEGAMEGN  
 201 CVPLKRLVQQ VDFLLSSTGI TESQCQVAVS CANQMGLQKA ANVLLFLVPI  
 251 RVLTMENNSC DILHIIRIIG RGCIESKTR IIDR

RN 737273-79-9 HCAPLUS  
 CN Protein (Oryza sativa clone x fragment) (9CI) (CA INDEX NAME)

SEQ 1 GRPAALLALG NGAYIEHRPV IVTFGEGVAG QVRNGSAGFI FEA EWVHEEN  
 51 CEAVVSNARW LSMNTGTGRV ADAVRDVAGD LWDWSRNILG DLEKRIKKVK  
 101 KDLEACRRGG LDGASVHREQ MLQCKLEKLE DQCLLQQVPT KVT DAMNMEL  
 151 MKPYSDEEIK XALFSMGDLK APGPDGMPAL FYKNFWETMG LDVGKEVKSL  
 201 LIGSEMPAHW NETVVVLIPK VVANRLKRIL PEIISLNQSA FVPGRMIMDN  
 251 VLLAYELTHF LQNKRRGSGK FAALKLDMSK AYNRVEWEFL RMMMGKLGFC  
 301 QEWINIVMGF VSTVSRIKV NGDLTEQIIP XRRLRQGDPL SPYLFLLCAE  
 351 AFSCLLNSAE DRGDIEGMRV CQGAPIINHL LFADDSLLLF KINNQSSTHL  
 401 XNVLSLYEDC LGQTINKDKS TIMFSKNSTT VEKENVMAGL GIQSEARNEK  
 451 YLGLPIYMGR SRSQTFSYLK DRVWKRLQGW KERLLSKAGK EILIKSVVQS  
 501 IPTYAMSCFD LTKTLCNELG SLVCRFWWAQ QENENKVHVW SWELLCRRKE  
 551 QGGIGYRDLH LFNLA MLARQ GWRLIMEPMS LCAQVLRKY FPTGDLMAVR  
 601 EKPGISYSWR SIVRGIQALK KGLIWRVGDG TNIDIWHD PW LP SGITRRPI  
 651 TPRGRTVVNK VTDLIDPTIG KWDKELIEGL FWEEDVKQIL TIPIRAGVED  
 701 GLAWHFDNRG IFSVKSAYHV LEDERRRHKP KQDGASSSQ TNMEKLCWQQ  
 751 IWKLPLYPKV KHFIWHLAHN SLPFRMSIQK RGMQIDTRCP VCHRONEDGG  
 801 HYFLKCKLMR KCWQSLDLEE CRLELVQMQS AXNLWTKSCR KVTVKTTIFY  
 851 LLVWWSARN KXKRRGGEAN TWKAPPPGIL KINFDGAYRE MSRDGAWGFV  
 901 IRGENGRGVL AGSRLPMVS DALMAEAEAC LAALEAAIDH GISRVIIESD  
 951 CLNLAMQPIT METVLT ELVA PHRET

RN 737273-81-3 HCAPLUS  
 CN Protein (Oryza sativa clone x fragment) (9CI) (CA INDEX NAME)

SEQ 1 MEAVEGMMER MKLSMAEKKG IRVQAEAGSGS QLAAPQAVGK VLA EKL VGAD  
 51 GLAQT LGRIW CPIKGV MCKD LG ENHFLFTF LQSGGKKRAL DDGPWMFGKD

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101 LVEIEFVSIP IWIRVMKLPC GMMNRCTGKA IGDEVGTFLE MMDENCTAV
151 GRFLRIKIRL DIRKPLMRGV TVMIGKEEKA LWCPLEYEFL PDFCYSCGII
201 GHTNKICEKE VMKGELPPFN KQLRCIPSKK RSDDGYGDRG IGGRQLQGW
251 AGSGGSRESF GSGSRSRSGS KPAKVGEDEV TSSIKVVEKL AVRPNVGRAL
301 VLEKEVHDLV LEDLVVNAPK VSSGQTNDGG KEDGSSIVTE HSMVQSMQND
351 VGGVGGSLGK KEEVFGESEK GGRAKYKRRS RGEQQAVARA SVVTLEKRRQ
401 IEDAVMEDGD SKKAKIGAPD CDAGLSEQPC ETQWRSGGLA IFWRRGIAFT
451 LRAVSRLYID GDVVGNTGLT WRFTGFYGEF KSDQREVSWK ALRVLNAAGQ
501 NPWLCMGDFN EILMNGEKEG GHPRSQICMD RFKALDECG LEDLGYTGDM
551 FTWRNNCKSS QQYIRERLDI AVADRAWQNH FPDFHVRNGD PHHSDHRPVI
601 VTFGEVAGV VRNGSAGFRF EAEWVHEENC EAVVSNARWL SMNTGTGRVA
651 DAVRDVAGDL WDWSNINLGD LEKRIKKRAK THWLQYGDNR TRFFHQFASE
701 RKRANRIRKL VKEDGSAVVN QDGMCSLVTD YYRTLFTSQQ GTRYDELLQQ
751 VPTKVTAMN MELMKPYSDE EIKNALFSMG DLKAPGLDGM PALFYKNFWE
801 KVGLDVGKEV KSLNGSEMP AHWNETVVVL IPKIPNPERL KDLRPISLCN
851 VVYKIASKV ANRLKRILPE IISLNQSAFV PGRMITDNVL LAFELTHFLQ
901 NKRRGSDKFA ALKLDMSKAY DRVEWEFLRR MMGKLGFQCE WINIVMGFVS
951 TVSYRIKVNG DLTEQIIPQR GLRQGDPLSP YLFLLCAKAF SCLLNSAEDR
1001 GDIEGVRVCQ GGPIINHLLF ADDSLLLFI NNQSSAHLQN VLSLYEDCSG
1051 QTINKDKSMI MFSKNSTTLE KENVMAGLGI QSEARNEKYL GLPIYMGRSR
1101 SQTFSYLKDR VCKRLQGWKE RLLSKAGKEI LIKSVVQSIP TYAMSCFDLT
1151 KNLCDELGSL VCRFWWAQOE NENKVHWVSW ELLCRRKEQG GIGYRDLHLF
1201 NLAMLARQGW RLIMEPMSLC AQVLRKYFP TGDLMATYY TPGENCVNKV
1251 VDLIDPTTGK WDKELIEGSL TRATPNPPHH QHYCRTLPLM NDCKEKRIYC
1301 VSGLGFRWTG RTGDGSRERT AEINPSKTDG RDRSVHDLT ANGPDDVGDD
1351 VTTGGGGSAA QMAHARQTA ALRHERRAPT GSGQHGLTG DQSDGRRGTD
1401 GDGDEEEAAA LFGSTAAMVL RRSSAAAKGR TRTAETWRSR RWPSRATTTT
1451 GTAATHGWSD GGDGGAKLHG ARALRTTRGE GEGGGG

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RN 737284-42-3 HCAPLUS  
 CN Protein (Oryza sativa clone x fragment) (9CI) (CA INDEX NAME)

SEQ 1 LAMIICLTLY TCGLISYCCS LMCMCPYLND DYVEPLAWHY DYRDIGLCMR  
 51 C

L12 ANSWER 18 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:663851 HCAPLUS  
 DN 141:186006  
 ED Entered STN: 16 Aug 2004  
 TI Rice nucleic acid molecules and encoded proteins and their uses for plant improvement  
 IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei; Boukharov, Andrey A.; Barbazuk, Brad W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04  
 INCL 800278000; 435069100; 435200000; 435419000; 536023200  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11  
 FAN.CNT 27

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
	INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
US 2004123343	NCL	800/278.000 <--
US 2004123343	NCL	800/278.000
	ECLA	C07K014/415 <--
AB		The present invention provides 102,483 cDNA sequences and their encoded protein sequences from rice ( <i>Oryza sativa</i> ). Bioinformatic anal. identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]
ST		rice cDNA protein sequence plant transformation
IT		Stress, plant (cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Stress, plant (heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Recombination, genetic (homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Fats and Glyceridic oils, biological studies Growth regulators, plant RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Pathogen (improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Carbohydrates, biological studies RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Stress, plant (osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Cell cycle Disease resistance, plant Growth and development, plant Herbicides <i>Oryza sativa</i> Photosynthesis, biological Protein sequences Transformation, genetic cDNA library cDNA sequences (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Transcription factors RL: BSU (Biological study, unclassified); BIOL (Biological study) (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Proteins cDNA RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
IT		Embryophyta

(transgenic; rice nucleic acid mols. and encoded proteins and their  
uses for plant improvement)

IT	737209-57-3	737209-58-4	737209-59-5	737209-60-8	737209-61-9
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RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and  
their uses for plant improvement)

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737213-12-6	737213-13-7	737213-14-8	737213-15-9	737213-16-0
737213-17-1	737213-18-2	737213-19-3	737213-20-6	737213-21-7
737213-22-8	737213-23-9	737213-24-0	737213-25-1	737213-26-2
737213-27-3	737213-28-4	737213-29-5	737213-30-8	737213-31-9
737213-32-0	737213-33-1	737213-34-2	737213-35-3	737213-36-4
737213-37-5	737213-38-6	737213-39-7	737213-40-0	737213-41-1
737213-42-2	737213-43-3	737213-44-4	737213-45-5	737213-46-6
737213-47-7	737213-48-8	737213-49-9	737213-50-2	737213-51-3
737213-52-4	737213-53-5	737213-54-6	737213-55-7	737213-56-8
737213-57-9	737213-58-0	737213-59-1	737213-60-4	737213-61-5
737213-62-6	737213-63-7	737213-64-8	737213-65-9	737213-66-0
737213-67-1	737213-68-2	737213-69-3	737213-70-6	737213-71-7
737213-72-8	737213-73-9	737213-74-0	737213-75-1	737213-76-2
737213-77-3	737213-78-4	737213-79-5	737213-80-8	737213-81-9
737213-82-0	737213-83-1	737213-84-2	737213-85-3	737213-86-4
737213-87-5	737213-88-6	737213-89-7	737213-90-0	737213-91-1
737213-92-2	737213-93-3	737213-94-4	737213-95-5	737213-96-6
737213-97-7	737213-98-8	737213-99-9	737214-00-5	737214-01-6
737214-02-7	737214-03-8	737214-04-9	737214-05-0	737214-06-1
737214-07-2	737214-08-3	737214-09-4	737214-10-7	737214-11-8
737214-12-9	737214-13-0	737214-14-1	737214-15-2	737214-16-3
737214-17-4	737214-18-5	737214-19-6	737214-20-9	737214-21-0
737214-22-1	737214-23-2	737214-24-3	737214-25-4	737214-26-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737214-27-6	737214-28-7	737214-29-8	737214-30-1	737214-31-2
737214-32-3	737214-33-4	737214-34-5	737214-35-6	737214-36-7
737214-37-8	737214-38-9	737214-39-0	737214-40-3	737214-41-4
737214-42-5	737214-43-6	737214-44-7	737214-45-8	737214-46-9
737214-47-0	737214-48-1	737214-49-2	737214-50-5	737214-51-6
737214-52-7	737214-53-8	737214-54-9	737214-55-0	737214-56-1
737214-57-2	737214-58-3	737214-59-4	737214-60-7	737214-61-8
737214-62-9	737214-63-0	737214-64-1	737214-65-2	737214-66-3
737214-67-4	737214-68-5	737214-69-6	737214-70-9	737214-71-0
737214-72-1	737214-73-2	737214-74-3	737214-75-4	737214-76-5
737214-77-6	737214-78-7	737214-79-8	737214-80-1	737214-81-2
737214-82-3	737214-83-4	737214-84-5	737214-85-6	737214-86-7
737214-87-8	737214-88-9	737214-89-0	737214-90-3	737214-91-4
737214-92-5	737214-93-6	737214-94-7	737214-95-8	737214-96-9
737214-97-0	737214-98-1	737214-99-2	737215-00-8	737215-01-9
737215-02-0	737215-03-1	737215-04-2	737215-05-3	737215-06-4
737215-07-5	737215-08-6	737215-09-7	737215-10-0	737215-11-1
737215-12-2	737215-13-3	737215-14-4	737215-15-5	737215-16-6
737215-17-7	737215-18-8	737215-19-9	737215-20-2	737215-21-3
737215-22-4	737215-23-5	737215-24-6	737215-25-7	737215-26-8
737215-27-9	737215-28-0	737215-29-1	737215-30-4	737215-31-5
737215-32-6	737215-33-7	737215-34-8	737215-35-9	737215-36-0
737215-37-1	737215-38-2	737215-39-3	737215-40-6	737215-41-7
737215-42-8	737215-43-9	737215-44-0	737215-45-1	737215-46-2
737215-47-3	737215-48-4	737215-49-5	737215-50-8	737215-51-9
737215-52-0	737215-53-1	737215-54-2	737215-55-3	737215-56-4
737215-57-5	737215-58-6	737215-59-7	737215-60-0	737215-61-1
737215-62-2	737215-63-3	737215-64-4	737215-65-5	737215-66-6

737215-67-7	737215-68-8	737215-69-9	737215-70-2	737215-71-3
737215-72-4	737215-73-5	737215-74-6	737215-75-7	737215-76-8
737215-77-9	737215-78-0	737215-79-1	737215-80-4	737215-81-5
737215-82-6	737215-83-7	737215-84-8	737215-85-9	737215-86-0
737215-87-1	737215-88-2	737215-89-3	737215-90-6	737215-91-7
737215-92-8	737215-93-9	737215-94-0	737215-95-1	737215-96-2
737215-97-3	737215-98-4	737215-99-5	737216-00-1	737216-01-2
737216-02-3	737216-03-4	737216-04-5	737216-05-6	737216-06-7
737216-07-8	737216-08-9	737216-09-0	737216-10-3	737216-11-4
737216-12-5	737216-13-6	737216-14-7	737216-15-8	737216-16-9
737216-17-0	737216-18-1	737216-19-2	737216-20-5	737216-21-6
737216-22-7	737216-23-8	737216-24-9	737216-25-0	737216-26-1
737216-27-2	737216-28-3	737216-29-4	737216-30-7	737216-31-8
737216-32-9	737216-33-0	737216-34-1	737216-35-2	737216-36-3
737216-37-4	737216-38-5	737216-39-6	737216-40-9	737216-41-0
737216-42-1	737216-43-2	737216-44-3	737216-45-4	737216-46-5
737216-47-6	737216-48-7	737216-49-8	737216-50-1	737216-51-2
737216-52-3	737216-53-4	737216-54-5	737216-55-6	737216-56-7
737216-57-8	737216-58-9	737216-59-0	737216-60-3	737216-61-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737216-62-5	737216-63-6	737216-64-7	737216-65-8	737216-66-9
	737216-67-0	737216-68-1	737216-69-2	737216-70-5	737216-71-6
	737216-72-7	737216-73-8	737216-74-9	737216-75-0	737216-76-1
	737216-77-2	737216-78-3	737216-79-4	737216-80-7	737216-81-8
	737216-82-9	737216-83-0	737216-84-1	737216-85-2	737216-86-3
	737216-87-4	737216-88-5	737216-89-6	737216-90-9	737216-91-0
	737216-92-1	737216-93-2	737216-94-3	737216-95-4	737216-96-5
	737216-97-6	737216-98-7	737216-99-8	737217-00-4	737217-01-5
	737217-02-6	737217-03-7	737217-04-8	737217-05-9	737217-06-0
	737217-07-1	737217-08-2	737217-09-3	737217-10-6	737217-11-7
	737217-12-8	737217-13-9	737217-14-0	737217-15-1	737217-16-2
	737217-17-3	737217-18-4	737217-19-5	737217-20-8	737217-21-9
	737217-22-0	737217-23-1	737217-24-2	737217-25-3	737217-26-4
	737217-27-5	737217-28-6	737217-29-7	737217-30-0	737217-31-1
	737217-32-2	737217-33-3	737217-34-4	737217-35-5	737217-36-6
	737217-37-7	737217-38-8	737217-39-9	737217-40-2	737217-41-3
	737217-42-4	737217-43-5	737217-44-6	737217-45-7	737217-46-8
	737217-47-9	737217-48-0	737217-49-1	737217-50-4	737217-51-5
	737217-52-6	737217-53-7	737217-54-8	737217-55-9	737217-56-0
	737217-57-1	737217-58-2	737217-59-3	737217-60-6	737217-61-7
	737217-62-8	737217-63-9	737217-64-0	737217-65-1	737217-66-2
	737217-67-3	737217-68-4	737217-69-5	737217-70-8	737217-71-9
	737217-72-0	737217-73-1	737217-74-2	737217-75-3	737217-76-4
	737217-77-5	737217-78-6	737217-79-7	737217-80-0	737217-81-1
	737217-82-2	737217-83-3	737217-84-4	737217-85-5	737217-86-6
	737217-87-7	737217-88-8	737217-89-9	737217-90-2	737217-91-3
	737217-92-4	737217-93-5	737217-94-6	737217-95-7	737217-96-8
	737217-97-9	737217-98-0	737217-99-1	737218-00-7	737218-01-8
	737218-02-9	737218-03-0	737218-04-1	737218-05-2	737218-06-3
	737218-07-4	737218-08-5	737218-09-6	737218-10-9	737218-11-0
	737218-12-1	737218-13-2	737218-14-3	737218-15-4	737218-16-5
	737218-17-6	737218-18-7	737218-19-8	737218-20-1	737218-21-2
	737218-22-3	737218-23-4	737218-24-5	737218-25-6	737218-26-7
	737218-27-8	737218-28-9	737218-29-0	737218-30-3	737218-31-4
	737218-32-5	737218-33-6	737218-34-7	737218-35-8	737218-36-9
	737218-37-0	737218-38-1	737218-39-2	737218-40-5	737218-41-6
	737218-42-7	737218-43-8	737218-44-9	737218-45-0	737218-46-1
	737218-47-2	737218-48-3	737218-49-4	737218-50-7	737218-51-8
	737218-52-9	737218-53-0	737218-54-1	737218-55-2	737218-56-3
	737218-57-4	737218-58-5	737218-59-6	737218-60-9	737218-61-0
	737218-62-1	737218-63-2	737218-64-3	737218-65-4	737218-66-5
	737218-67-6	737218-68-7	737218-69-8	737218-70-1	737218-71-2
	737218-72-3	737218-73-4	737218-74-5	737218-75-6	737218-76-7

737218-77-8	737218-78-9	737218-79-0	737218-80-3	737218-81-4
737218-82-5	737218-83-6	737218-84-7	737218-85-8	737218-86-9
737218-87-0	737218-88-1	737218-89-2	737218-90-5	737218-91-6
737218-92-7	737218-93-8	737218-94-9	737218-95-0	737218-96-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737218-97-2	737218-98-3	737218-99-4	737219-00-0	737219-01-1
	737219-02-2	737219-03-3	737219-04-4	737219-05-5	737219-06-6
	737219-07-7	737219-08-8	737219-09-9	737219-10-2	737219-11-3
	737219-12-4	737219-13-5	737219-14-6	737219-15-7	737219-16-8
	737219-17-9	737219-18-0	737219-19-1	737219-20-4	737219-21-5
	737219-22-6	737219-23-7	737219-24-8	737219-25-9	737219-26-0
	737219-27-1	737219-28-2	737219-29-3	737219-30-6	737219-31-7
	737219-32-8	737219-33-9	737219-34-0	737219-35-1	737219-36-2
	737219-37-3	737219-38-4	737219-39-5	737219-40-8	737219-41-9
	737219-42-0	737219-43-1	737219-44-2	737219-45-3	737219-46-4
	737219-47-5	737219-48-6	737219-49-7	737219-50-0	737219-51-1
	737219-52-2	737219-53-3	737219-54-4	737219-55-5	737219-56-6
	737219-57-7	737219-58-8	737219-59-9	737219-60-2	737219-61-3
	737219-62-4	737219-63-5	737219-64-6	737219-65-7	737219-66-8
	737219-67-9	737219-68-0	737219-69-1	737219-70-4	737219-71-5
	737219-72-6	737219-73-7	737219-74-8	737219-75-9	737219-76-0
	737219-77-1	737219-78-2	737219-79-3	737219-80-6	737219-81-7
	737219-82-8	737219-83-9	737219-84-0	737219-85-1	737219-86-2
	737219-87-3	737219-88-4	737219-89-5	737219-90-8	737219-91-9
	737219-92-0	737219-93-1	737219-94-2	737219-95-3	737219-96-4
	737219-97-5	737219-98-6	737219-99-7	737220-00-7	737220-01-8
	737220-02-9	737220-03-0	737220-04-1	737220-05-2	737220-06-3
	737220-07-4	737220-08-5	737220-09-6	737220-10-9	737220-11-0
	737220-12-1	737220-13-2	737220-14-3	737220-15-4	737220-16-5
	737220-17-6	737220-18-7	737220-19-8	737220-20-1	737220-21-2
	737220-22-3	737220-23-4	737220-24-5	737220-25-6	737220-26-7
	737220-27-8	737220-28-9	737220-29-0	737220-30-3	737220-31-4
	737220-32-5	737220-33-6	737220-34-7	737220-35-8	737220-36-9
	737220-37-0	737220-38-1	737220-39-2	737220-40-5	737220-41-6
	737220-42-7	737220-43-8	737220-44-9	737220-45-0	737220-46-1
	737220-47-2	737220-48-3	737220-49-4	737220-50-7	737220-51-8
	737220-52-9	737220-53-0	737220-54-1	737220-55-2	737220-56-3
	737220-57-4	737220-58-5	737220-59-6	737220-60-9	737220-61-0
	737220-62-1	737220-63-2	737220-64-3	737220-65-4	737220-66-5
	737220-67-6	737220-68-7	737220-69-8	737220-70-1	737220-71-2
	737220-72-3	737220-73-4	737220-74-5	737220-75-6	737220-76-7
	737220-77-8	737220-78-9	737220-79-0	737220-80-3	737220-81-4
	737220-82-5	737220-83-6	737220-84-7	737220-85-8	737220-86-9
	737220-87-0	737220-88-1	737220-89-2	737220-90-5	737220-91-6
	737220-92-7	737220-93-8	737220-94-9	737220-95-0	737220-96-1
	737220-97-2	737220-98-3	737220-99-4	737221-00-0	737221-01-1
	737221-02-2	737221-03-3	737221-04-4	737221-05-5	737221-06-6
	737221-07-7	737221-08-8	737221-09-9	737221-10-2	737221-11-3
	737221-12-4	737221-13-5	737221-14-6	737221-15-7	737221-16-8
	737221-17-9	737221-18-0	737221-19-1	737221-20-4	737221-21-5
	737221-22-6	737221-23-7	737221-24-8	737221-25-9	737221-26-0
	737221-27-1	737221-28-2	737221-29-3	737221-30-6	737221-31-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737221-32-8	737221-33-9	737221-34-0	737221-35-1	737221-36-2
	737221-37-3	737221-38-4	737221-39-5	737221-40-8	737221-41-9
	737221-42-0	737221-43-1	737221-44-2	737221-45-3	737221-46-4
	737221-47-5	737221-48-6	737221-49-7	737221-50-0	737221-51-1
	737221-52-2	737221-53-3	737221-54-4	737221-55-5	737221-56-6
	737221-57-7	737221-58-8	737221-59-9	737221-60-2	737221-61-3
	737221-62-4	737221-63-5	737221-64-6	737221-65-7	737221-66-8

737221-67-9	737221-68-0	737221-69-1	737221-70-4	737221-71-5
737221-72-6	737221-73-7	737221-74-8	737221-75-9	737221-76-0
737221-77-1	737221-78-2	737221-79-3	737221-80-6	737221-81-7
737221-82-8	737221-83-9	737221-84-0	737221-85-1	737221-86-2
737221-87-3	737221-88-4	737221-89-5	737221-90-8	737221-91-9
737221-92-0	737221-93-1	737221-94-2	737221-95-3	737221-96-4
737221-97-5	737221-98-6	737221-99-7	737222-00-3	737222-01-4
737222-02-5	737222-03-6	737222-04-7	737222-05-8	737222-06-9
737222-07-0	737222-08-1	737222-09-2	737222-10-5	737222-11-6
737222-12-7	737222-13-8	737222-14-9	737222-15-0	737222-16-1
737222-17-2	737222-18-3	737222-19-4	737222-20-7	737222-21-8
737222-22-9	737222-23-0	737222-24-1	737222-25-2	737222-26-3
737222-27-4	737222-28-5	737222-29-6	737222-30-9	737222-31-0
737222-32-1	737222-33-2	737222-34-3	737222-35-4	737222-36-5
737222-37-6	737222-38-7	737222-39-8	737222-40-1	737222-41-2
737222-42-3	737222-43-4	737222-44-5	737222-45-6	737222-46-7
737222-47-8	737222-48-9	737222-49-0	737222-50-3	737222-51-4
737222-52-5	737222-53-6	737222-54-7	737222-55-8	737222-56-9
737222-57-0	737222-58-1	737222-59-2	737222-60-5	737222-61-6
737222-62-7	737222-63-8	737222-64-9	737222-65-0	737222-66-1
737222-67-2	737222-68-3	737222-69-4	737222-70-7	737222-71-8
737222-72-9	737222-73-0	737222-74-1	737222-75-2	737222-76-3
737222-77-4	737222-78-5	737222-79-6	737222-80-9	737222-81-0
737222-82-1	737222-83-2	737222-84-3	737222-85-4	737222-86-5
737222-87-6	737222-88-7	737222-89-8	737222-90-1	737222-91-2
737222-92-3	737222-93-4	737222-94-5	737222-95-6	737222-96-7
737222-97-8	737222-98-9	737222-99-0	737223-00-6	737223-01-7
737223-02-8	737223-03-9	737223-04-0	737223-05-1	737223-06-2
737223-07-3	737223-08-4	737223-09-5	737223-10-8	737223-11-9
737223-12-0	737223-13-1	737223-14-2	737223-15-3	737223-16-4
737223-17-5	737223-18-6	737223-19-7	737223-20-0	737223-21-1
737223-22-2	737223-23-3	737223-24-4	737223-25-5	737223-26-6
737223-27-7	737223-28-8	737223-29-9	737223-30-2	737223-31-3
737223-32-4	737223-33-5	737223-34-6	737223-35-7	737223-36-8
737223-37-9	737223-38-0	737223-39-1	737223-40-4	737223-41-5
737223-42-6	737223-43-7	737223-44-8	737223-45-9	737223-46-0
737223-47-1	737223-48-2	737223-49-3	737223-50-6	737223-51-7
737223-52-8	737223-53-9	737223-54-0	737223-55-1	737223-56-2
737223-57-3	737223-58-4	737223-59-5	737223-60-8	737223-61-9
737223-62-0	737223-63-1	737223-64-2	737223-65-3	737223-66-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737223-67-5	737223-68-6	737223-69-7	737223-70-0	737223-71-1
737223-72-2	737223-73-3	737223-74-4	737223-75-5	737223-76-6
737223-77-7	737223-78-8	737223-79-9	737223-80-2	737223-81-3
737223-82-4	737223-83-5	737223-84-6	737223-85-7	737223-86-8
737223-87-9	737223-88-0	737223-89-1	737223-90-4	737223-91-5
737223-92-6	737223-93-7	737223-94-8	737223-95-9	737223-96-0
737223-97-1	737223-98-2	737223-99-3	737224-00-9	737224-01-0
737224-02-1	737224-03-2	737224-04-3	737224-05-4	737224-06-5
737224-07-6	737224-08-7	737224-09-8	737224-10-1	737224-11-2
737224-12-3	737224-13-4	737224-14-5	737224-15-6	737224-16-7
737224-17-8	737224-18-9	737224-19-0	737224-20-3	737224-21-4
737224-22-5	737224-23-6	737224-24-7	737224-25-8	737224-26-9
737224-27-0	737224-28-1	737224-29-2	737224-30-5	737224-31-6
737224-32-7	737224-33-8	737224-34-9	737224-35-0	737224-36-1
737224-37-2	737224-38-3	737224-39-4	737224-40-7	737224-41-8
737224-42-9	737224-43-0	737224-44-1	737224-45-2	737224-46-3
737224-47-4	737224-48-5	737224-49-6	737224-50-9	737224-51-0
737224-52-1	737224-53-2	737224-54-3	737224-55-4	737224-56-5
737224-57-6	737224-58-7	737224-59-8	737224-60-1	737224-61-2
737224-62-3	737224-63-4	737224-64-5	737224-65-6	737224-66-7
737224-67-8	737224-68-9	737224-69-0	737224-70-3	737224-71-4
737224-72-5	737224-73-6	737224-74-7	737224-75-8	737224-76-9

737224-77-0	737224-78-1	737224-79-2	737224-80-5	737224-81-6
737224-82-7	737224-83-8	737224-84-9	737224-85-0	737224-86-1
737224-87-2	737224-88-3	737224-89-4	737224-90-7	737224-91-8
737224-92-9	737224-93-0	737224-94-1	737224-95-2	737224-96-3
737224-97-4	737224-98-5	737224-99-6	737225-00-2	737225-01-3
737225-02-4	737225-03-5	737225-04-6	737225-05-7	737225-06-8
737225-07-9	737225-08-0	737225-09-1	737225-10-4	737225-11-5
737225-12-6	737225-13-7	737225-14-8	737225-15-9	737225-16-0
737225-17-1	737225-18-2	737225-19-3	737225-20-6	737225-21-7
737225-22-8	737225-23-9	737225-24-0	737225-25-1	737225-26-2
737225-27-3	737225-28-4	737225-29-5	737225-30-8	737225-31-9
737225-32-0	737225-33-1	737225-34-2	737225-35-3	737225-36-4
737225-37-5	737225-38-6	737225-39-7	737225-40-0	737225-41-1
737225-42-2	737225-43-3	737225-44-4	737225-45-5	737225-46-6
737225-47-7	737225-48-8	737225-49-9	737225-50-2	737225-51-3
737225-52-4	737225-53-5	737225-54-6	737225-55-7	737225-56-8
737225-57-9	737225-58-0	737225-59-1	737225-60-4	737225-61-5
737225-62-6	737225-63-7	737225-64-8	737225-65-9	737225-66-0
737225-67-1	737225-68-2	737225-69-3	737225-70-6	737225-71-7
737225-72-8	737225-73-9	737225-74-0	737225-75-1	737225-76-2
737225-77-3	737225-78-4	737225-79-5	737225-80-8	737225-81-9
737225-82-0	737225-83-1	737225-84-2	737225-85-3	737225-86-4
737225-87-5	737225-88-6	737225-89-7	737225-90-0	737225-91-1
737225-92-2	737225-93-3	737225-94-4	737225-95-5	737225-96-6
737225-97-7	737225-98-8	737225-99-9	737226-00-5	737226-01-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737226-02-7	737226-03-8	737226-04-9	737226-05-0	737226-06-1
737226-07-2	737226-08-3	737226-09-4	737226-10-7	737226-11-8
737226-12-9	737226-13-0	737226-14-1	737226-15-2	737226-16-3
737226-17-4	737226-18-5	737226-19-6	737226-20-9	737226-21-0
737226-22-1	737226-23-2	737226-24-3	737226-25-4	737226-26-5
737226-27-6	737226-28-7	737226-29-8	737226-30-1	737226-31-2
737226-32-3	737226-33-4	737226-34-5	737226-35-6	737226-36-7
737226-37-8	737226-38-9	737226-39-0	737226-40-3	737226-41-4
737226-42-5	737226-43-6	737226-44-7	737226-45-8	737226-46-9
737226-47-0	737226-48-1	737226-49-2	737226-50-5	737226-51-6
737226-52-7	737226-53-8	737226-54-9	737226-55-0	737226-56-1
737226-57-2	737226-58-3	737226-59-4	737226-60-7	737226-61-8
737226-62-9	737226-63-0	737226-64-1	737226-65-2	737226-66-3
737226-67-4	737226-68-5	737226-69-6	737226-70-9	737226-71-0
737226-72-1	737226-73-2	737226-74-3	737226-75-4	737226-76-5
<b>737226-77-6</b>	737226-78-7	737226-79-8	737226-80-1	
737226-81-2	737226-82-3	737226-83-4	737226-84-5	737226-85-6
737226-86-7	737226-87-8	737226-88-9	737226-89-0	737226-90-3
737226-91-4	737226-92-5	737226-93-6	737226-94-7	737226-95-8
737226-96-9	737226-97-0	737226-98-1	737226-99-2	737227-00-8
737227-01-9	737227-02-0	737227-03-1	737227-04-2	737227-05-3
737227-06-4	737227-07-5	737227-08-6	737227-09-7	737227-10-0
737227-11-1	737227-12-2	737227-13-3	737227-14-4	737227-15-5
737227-16-6	737227-17-7	737227-18-8	737227-19-9	737227-20-2
737227-21-3	737227-22-4	737227-23-5	737227-24-6	737227-25-7
737227-26-8	737227-27-9	737227-28-0	737227-29-1	737227-30-4
737227-31-5	737227-32-6	737227-33-7	737227-34-8	737227-35-9
737227-36-0	737227-37-1	737227-38-2	737227-39-3	737227-40-6
737227-41-7	737227-42-8	737227-43-9	737227-44-0	737227-45-1
737227-46-2	737227-47-3	737227-48-4	737227-49-5	737227-50-8
737227-51-9	737227-52-0	737227-53-1	737227-54-2	737227-55-3
737227-56-4	737227-57-5	737227-58-6	737227-59-7	737227-60-0
737227-61-1	737227-62-2	737227-63-3	737227-64-4	737227-65-5
737227-66-6	737227-67-7	737227-68-8	737227-69-9	737227-70-2
737227-71-3	737227-72-4	737227-73-5	737227-74-6	737227-75-7
737227-76-8	737227-77-9	737227-78-0	737227-79-1	737227-80-4
737227-81-5	737227-82-6	737227-83-7	737227-84-8	737227-85-9

737227-86-0	737227-87-1	737227-88-2	737227-89-3	737227-90-6
737227-91-7	737227-92-8	737227-93-9	737227-94-0	737227-95-1
737227-96-2	737227-97-3	737227-98-4	737227-99-5	737228-00-1
737228-01-2	737228-02-3	737228-03-4	737228-04-5	737228-05-6
737228-06-7	737228-07-8	737228-08-9	737228-09-0	737228-10-3
737228-11-4	737228-12-5	737228-13-6	737228-14-7	737228-15-8
737228-16-9	737228-17-0	737228-18-1	737228-19-2	737228-20-5
737228-21-6	737228-22-7	737228-23-8	737228-24-9	737228-25-0
737228-26-1	737228-27-2	737228-28-3	737228-29-4	737228-30-7
737228-31-8	737228-32-9	737228-33-0	737228-34-1	737228-35-2
737228-36-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737228-37-4	737228-38-5	737228-39-6	737228-40-9	737228-41-0
	737228-42-1	737228-43-2	737228-44-3	737228-45-4	737228-46-5
	737228-47-6	737228-48-7	737228-49-8	737228-50-1	737228-51-2
	737228-52-3	737228-53-4	737228-54-5	737228-55-6	737228-56-7
	737228-57-8	737228-58-9	737228-59-0	737228-60-3	737228-61-4
	737228-62-5	737228-63-6	737228-64-7	737228-65-8	737228-66-9
	737228-67-0	737228-68-1	737228-69-2	737228-70-5	737228-71-6
	737228-72-7	737228-73-8	737228-74-9	737228-75-0	737228-76-1
	737228-77-2	737228-78-3	737228-79-4	737228-80-7	737228-81-8
	737228-82-9	737228-83-0	737228-84-1	737228-85-2	737228-86-3
	737228-87-4	737228-88-5	737228-89-6	737228-90-9	737228-91-0
	737228-92-1	737228-93-2	737228-94-3	737228-95-4	737228-96-5
	737228-97-6	737228-98-7	737228-99-8	737229-00-4	737229-01-5
	737229-02-6	737229-03-7	737229-04-8	737229-05-9	737229-06-0
	737229-07-1	737229-08-2	737229-09-3	737229-10-6	737229-11-7
	737229-12-8	737229-13-9	737229-14-0	737229-15-1	737229-16-2
	737229-17-3	737229-18-4	737229-19-5	737229-20-8	737229-21-9
	737229-22-0	737229-23-1	737229-24-2	737229-25-3	737229-26-4
	737229-27-5	737229-28-6	737229-29-7	737229-30-0	737229-31-1
	737229-32-2	737229-33-3	737229-34-4	737229-35-5	737229-36-6
	737229-37-7	737229-38-8	737229-39-9	737229-40-2	737229-41-3
	737229-42-4	737229-43-5	737229-44-6	737229-45-7	737229-46-8
	737229-47-9	737229-48-0	737229-49-1	737229-50-4	737229-51-5
	737229-52-6	737229-53-7	737229-54-8	737229-55-9	737229-56-0
	737229-57-1	737229-58-2	737229-59-3	737229-60-6	737229-61-7
	737229-62-8	737229-63-9	737229-64-0	737229-65-1	737229-66-2
	737229-67-3	737229-68-4	737229-69-5	737229-70-8	737229-71-9
	737229-72-0	737229-73-1	737229-74-2	737229-75-3	737229-76-4
	737229-77-5	737229-78-6	737229-79-7	737229-80-0	737229-81-1
	737229-82-2	737229-83-3	737229-84-4	737229-85-5	737229-86-6
	737229-87-7	737229-88-8	737229-89-9	737229-90-2	737229-91-3
	737229-92-4	737229-93-5	737229-94-6	737229-95-7	737229-96-8
	737229-97-9	737229-98-0	737229-99-1	737230-00-1	737230-01-2
	737230-02-3	737230-03-4	737230-04-5	737230-05-6	737230-06-7
	737230-07-8	737230-08-9	737230-09-0	737230-10-3	737230-11-4
	737230-12-5	737230-13-6	737230-14-7	737230-15-8	737230-16-9
	737230-17-0	737230-18-1	737230-19-2	737230-20-5	737230-21-6
	737230-22-7	737230-23-8	737230-24-9	737230-25-0	737230-26-1
	737230-27-2	737230-28-3	737230-29-4	737230-30-7	737230-31-8
	737230-32-9	737230-33-0	737230-34-1	737230-35-2	737230-36-3
	737230-37-4	737230-38-5	737230-39-6	737230-40-9	737230-41-0
	737230-42-1	737230-43-2	737230-44-3	737230-45-4	737230-46-5
	737230-47-6	737230-48-7	737230-49-8	737230-50-1	737230-51-2
	737230-52-3	737230-53-4	737230-54-5	737230-55-6	737230-56-7
	737230-57-8	737230-58-9	737230-59-0	737230-60-3	737230-61-4
	737230-62-5	737230-63-6	737230-64-7	737230-65-8	737230-66-9
	737230-67-0	737230-68-1	737230-69-2	737230-70-5	737230-71-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737230-72-7	737230-73-8	737230-74-9	737230-75-0	737230-76-1
	737230-77-2	737230-78-3	737230-79-4	737230-80-7	737230-81-8
	737230-82-9	737230-83-0	737230-84-1	737230-85-2	737230-86-3
	737230-87-4	737230-88-5	737230-89-6	737230-90-9	737230-91-0
	737230-92-1	737230-93-2	737230-94-3	737230-95-4	737230-96-5
	737230-97-6	737230-98-7	737230-99-8	737231-00-4	737231-01-5
	737231-02-6	737231-03-7	737231-04-8	737231-05-9	737231-06-0
	737231-07-1	737231-08-2	737231-09-3	737231-10-6	737231-11-7
	737231-12-8	737231-13-9	737231-14-0	737231-15-1	737231-16-2
	737231-17-3	737231-18-4	737231-19-5	737231-20-8	737231-21-9
	737231-22-0	737231-23-1	737231-24-2	737231-25-3	737231-26-4
	737231-27-5	737231-28-6	737231-29-7	737231-30-0	737231-31-1
	737231-32-2	737231-33-3	737231-34-4	737231-35-5	737231-36-6
	737231-37-7	737231-38-8	737231-39-9	737231-40-2	737231-41-3
	737231-42-4	737231-43-5	737231-44-6	737231-45-7	737231-46-8
	737231-47-9	737231-48-0	737231-49-1	737231-50-4	737231-51-5
	737231-52-6	737231-53-7	737231-54-8	737231-55-9	737231-56-0
	737231-57-1	737231-58-2	737231-59-3	737231-60-6	737231-61-7
	737231-62-8	737231-63-9	737231-64-0	737231-65-1	737231-66-2
	737231-67-3	737231-68-4	737231-69-5	737231-70-8	737231-71-9
	737231-72-0	737231-73-1	737231-74-2	737231-75-3	737231-76-4
	737231-77-5	737231-78-6	737231-79-7	737231-80-0	737231-81-1
	737231-82-2	737231-83-3	737231-84-4	737231-85-5	737231-86-6
	737231-87-7	737231-88-8	737231-89-9	737231-90-2	737231-91-3
	737231-92-4	737231-93-5	737231-94-6	737231-95-7	737231-96-8
	737231-97-9	737231-98-0	737231-99-1	737232-00-7	737232-01-8
	737232-02-9	737232-03-0	737232-04-1	737232-05-2	737232-06-3
	737232-07-4	737232-08-5	737232-09-6	737232-10-9	737232-11-0
	737232-12-1	737232-13-2	737232-14-3	737232-15-4	737232-16-5
	737232-17-6	737232-18-7	737232-19-8	737232-20-1	737232-21-2
	737232-22-3	737232-23-4	737232-24-5	737232-25-6	737232-26-7
	737232-27-8	737232-28-9	737232-29-0	737232-30-3	737232-31-4
	737232-32-5	737232-33-6	737232-34-7	737232-35-8	737232-36-9
	737232-37-0	737232-38-1	737232-39-2	737232-40-5	737232-41-6
	737232-42-7	737232-43-8	737232-44-9	737232-45-0	737232-46-1
	737232-47-2	737232-48-3	737232-49-4	737232-50-7	737232-51-8
	737232-52-9	737232-53-0	737232-54-1	737232-55-2	737232-56-3
	737232-57-4	737232-58-5	737232-59-6	737232-60-9	737232-61-0
	737232-62-1	737232-63-2	737232-64-3	737232-65-4	737232-66-5
	737232-67-6	737232-68-7	737232-69-8	737232-70-1	737232-71-2
	737232-72-3	737232-73-4	737232-74-5	737232-75-6	737232-76-7
	737232-77-8	737232-78-9	737232-79-0	737232-80-3	737232-81-4
	737232-82-5	737232-83-6	737232-84-7	737232-85-8	737232-86-9
	737232-87-0	737232-88-1	737232-89-2	737232-90-5	737232-91-6
	737232-92-7	737232-93-8	737232-94-9	737232-95-0	737232-96-1
	737232-97-2	737232-98-3	737232-99-4	737233-00-0	737233-01-1
	737233-02-2	737233-03-3	737233-04-4	737233-05-5	737233-06-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737233-07-7	737233-08-8	737233-09-9	737233-10-2	737233-11-3
	737233-12-4	737233-13-5	737233-14-6	737233-15-7	737233-16-8
	737233-17-9	737233-18-0	737233-19-1	737233-20-4	737233-21-5
	737233-22-6	737233-23-7	737233-24-8	737233-25-9	737233-26-0
	737233-27-1	737233-28-2	737233-29-3	737233-30-6	737233-31-7
	737233-32-8	737233-33-9	737233-34-0	737233-35-1	737233-36-2
	737233-37-3	737233-38-4	737233-39-5	737233-40-8	737233-41-9
	737233-42-0	737233-43-1	737233-44-2	737233-45-3	737233-46-4
	737233-47-5	737233-48-6	737233-49-7	737233-50-0	737233-51-1
	737233-52-2	737233-53-3	737233-54-4	737233-55-5	737233-56-6
	737233-57-7	737233-58-8	737233-59-9	737233-60-2	737233-61-3
	737233-62-4	737233-63-5	737233-64-6	737233-65-7	737233-66-8
	737233-67-9	737233-68-0	737233-69-1	737233-70-4	737233-71-5
	737233-72-6	737233-73-7	737233-74-8	737233-75-9	737233-76-0
	737233-77-1	737233-78-2	737233-79-3	737233-80-6	737233-81-7

737233-82-8	737233-83-9	737233-84-0	737233-85-1	737233-86-2
737233-87-3	737233-88-4	737233-89-5	737233-90-8	737233-91-9
737233-92-0	737233-93-1	737233-94-2	737233-95-3	737233-96-4
737233-97-5	737233-98-6	737233-99-7	737234-00-3	737234-01-4
737234-02-5	737234-03-6	737234-04-7	737234-05-8	737234-06-9
737234-07-0	737234-08-1	737234-09-2	737234-10-5	737234-11-6
737234-12-7	737234-13-8	737234-14-9	737234-15-0	737234-16-1
737234-17-2	737234-18-3	737234-19-4	737234-20-7	737234-21-8
737234-22-9	737234-23-0	737234-24-1	737234-25-2	737234-26-3
737234-27-4	737234-28-5	737234-29-6	737234-30-9	737234-31-0
737234-32-1	737234-33-2	737234-34-3	737234-35-4	737234-36-5
737234-37-6	737234-38-7	737234-39-8	737234-40-1	737234-41-2
737234-42-3	737234-43-4	737234-44-5	737234-45-6	737234-46-7
737234-47-8	737234-48-9	737234-49-0	737234-50-3	737234-51-4
737234-52-5	737234-53-6	737234-54-7	737234-55-8	737234-56-9
737234-57-0	737234-58-1	737234-59-2	737234-60-5	737234-61-6
737234-62-7	737234-63-8	737234-64-9	737234-65-0	737234-66-1
737234-67-2	737234-68-3	737234-69-4	737234-70-7	737234-71-8
737234-72-9	737234-73-0	737234-74-1	737234-75-2	737234-76-3
737234-77-4	737234-78-5	737234-79-6	737234-80-9	737234-81-0
737234-82-1	737234-83-2	737234-84-3	737234-85-4	737234-86-5
737234-87-6	737234-88-7	737234-89-8	737234-90-1	737234-91-2
737234-92-3	737234-93-4	737234-94-5	737234-95-6	737234-96-7
737234-97-8	737234-98-9	737234-99-0	737235-00-6	737235-01-7
737235-02-8	737235-03-9	737235-04-0	737235-05-1	737235-06-2
737235-07-3	737235-08-4	737235-09-5	737235-10-8	737235-11-9
737235-12-0	737235-13-1	737235-14-2	737235-15-3	737235-16-4
737235-17-5	737235-18-6	737235-19-7	737235-20-0	737235-21-1
737235-22-2	737235-23-3	737235-24-4	737235-25-5	737235-26-6
737235-27-7	737235-28-8	737235-29-9	737235-30-2	737235-31-3
737235-32-4	737235-33-5	737235-34-6	737235-35-7	737235-36-8
737235-37-9	737235-38-0	737235-39-1	737235-40-4	737235-41-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737235-42-6	737235-43-7	737235-44-8	737235-45-9	737235-46-0
	737235-47-1	737235-48-2	737235-49-3	737235-50-6	737235-51-7
	737235-52-8	737235-53-9	737235-54-0	737235-55-1	737235-56-2
	737235-57-3	737235-58-4	737235-59-5	737235-60-8	737235-61-9
	737235-62-0	737235-63-1	737235-64-2	737235-65-3	737235-66-4
	737235-67-5	737235-68-6	737235-69-7	737235-70-0	737235-71-1
	737235-72-2	737235-73-3	737235-74-4	737235-75-5	737235-76-6
	737235-77-7	737235-78-8	737235-79-9	737235-80-2	737235-81-3
	737235-82-4	737235-83-5	737235-84-6	737235-85-7	737235-86-8
	737235-87-9	737235-88-0	737235-89-1	737235-90-4	737235-91-5
	737235-92-6	737235-93-7	737235-94-8	737235-95-9	737235-96-0
	737235-97-1	737235-98-2	737235-99-3	737236-00-9	737236-01-0
	737236-02-1	737236-03-2	737236-04-3	737236-05-4	737236-06-5
	737236-07-6	737236-08-7	737236-09-8	737236-10-1	737236-11-2
	737236-12-3	737236-13-4	737236-14-5	737236-15-6	737236-16-7
	737236-17-8	737236-18-9	737236-19-0	737236-20-3	737236-21-4
	737236-22-5	737236-23-6	737236-24-7	737236-25-8	737236-26-9
	737236-27-0	737236-28-1	737236-29-2	737236-30-5	737236-31-6
	737236-32-7	737236-33-8	737236-34-9	737236-35-0	737236-36-1
	737236-37-2	737236-38-3	737236-39-4	737236-40-7	737236-41-8
	737236-42-9	737236-43-0	737236-44-1	737236-45-2	737236-46-3
	737236-47-4	737236-48-5	737236-49-6	737236-50-9	737236-51-0
	737236-52-1	737236-53-2	737236-54-3	737236-55-4	737236-56-5
	737236-57-6	737236-58-7	737236-59-8	737236-60-1	737236-61-2
	737236-62-3	737236-63-4	737236-64-5	737236-65-6	737236-66-7
	737236-67-8	737236-68-9	737236-69-0	737236-70-3	737236-71-4
	737236-72-5	737236-73-6	737236-74-7	737236-75-8	737236-76-9
	737236-77-0	737236-78-1	737236-79-2	737236-80-5	737236-81-6
	737236-82-7	737236-83-8	737236-84-9	737236-85-0	737236-86-1
	737236-87-2	737236-88-3	737236-89-4	737236-90-7	737236-91-8

737236-92-9	737236-93-0	737236-94-1	737236-95-2	737236-96-3
737236-97-4	737236-98-5	737236-99-6	737237-00-2	737237-01-3
737237-02-4	737237-03-5	737237-04-6	737237-05-7	737237-06-8
737237-07-9	737237-08-0	737237-09-1	737237-10-4	737237-11-5
737237-12-6	737237-13-7	737237-14-8	737237-15-9	737237-16-0
737237-17-1	737237-18-2	737237-19-3	737237-20-6	737237-21-7
737237-22-8	737237-23-9	737237-24-0	737237-25-1	737237-26-2
737237-27-3	737237-28-4	737237-29-5	737237-30-8	737237-31-9
737237-32-0	737237-33-1	737237-34-2	737237-35-3	737237-36-4
737237-37-5	737237-38-6	737237-39-7	737237-40-0	737237-41-1
737237-42-2	737237-43-3	737237-44-4	737237-45-5	737237-46-6
737237-47-7	737237-48-8	737237-49-9	737237-50-2	737237-51-3
737237-52-4	737237-53-5	737237-54-6	737237-55-7	737237-56-8
737237-57-9	737237-58-0	737237-59-1	737237-60-4	737237-61-5
737237-62-6	737237-63-7	737237-64-8	737237-65-9	737237-66-0
737237-67-1	737237-68-2	737237-69-3	737237-70-6	737237-71-7
737237-72-8	737237-73-9	737237-74-0	737237-75-1	737237-76-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737237-77-3	737237-78-4	737237-79-5	737237-80-8	737237-81-9
	737237-82-0	737237-83-1	737237-84-2	737237-85-3	737237-86-4
	737237-87-5	737237-88-6	737237-89-7	737237-90-0	737237-91-1
	737237-92-2	737237-93-3	737237-94-4	737237-95-5	737237-96-6
	737237-97-7	737237-98-8	737237-99-9	737238-00-5	737238-01-6
	737238-02-7	737238-03-8	737238-04-9	737238-05-0	737238-06-1
	737238-07-2	737238-08-3	737238-09-4	737238-10-7	737238-11-8
	737238-12-9	737238-13-0	737238-14-1	737238-15-2	737238-16-3
	737238-17-4	737238-18-5	737238-19-6	737238-20-9	737238-21-0
	737238-22-1	737238-23-2	737238-24-3	737238-25-4	737238-26-5
	737238-27-6	737238-28-7	737238-29-8	737238-30-1	737238-31-2
	737238-32-3	737238-33-4	737238-34-5	737238-35-6	737238-36-7
	737238-37-8	737238-38-9	737238-39-0	737238-40-3	737238-41-4
	737238-42-5	737238-43-6	737238-44-7	737238-45-8	737238-46-9
	737238-47-0	737238-48-1	737238-49-2	737238-50-5	737238-51-6
	737238-52-7	737238-53-8	737238-54-9	737238-55-0	737238-56-1
	737238-57-2	737238-58-3	737238-59-4	737238-60-7	737238-61-8
	737238-62-9	737238-63-0	737238-64-1	737238-65-2	737238-66-3
	737238-67-4	737238-68-5	737238-69-6	737238-70-9	737238-71-0
	737238-72-1	737238-73-2	737238-74-3	737238-75-4	737238-76-5
	737238-77-6	737238-78-7	737238-79-8	737238-80-1	737238-81-2
	737238-82-3	737238-83-4	737238-84-5	737238-85-6	737238-86-7
	737238-87-8	737238-88-9	737238-89-0	737238-90-3	737238-91-4
	737238-92-5	737238-93-6	737238-94-7	737238-95-8	737238-96-9
	737238-97-0	737238-98-1	737238-99-2	737239-00-8	737239-01-9
	737239-02-0	737239-03-1	737239-04-2	737239-05-3	737239-06-4
	737239-07-5	737239-08-6	737239-09-7	737239-10-0	737239-11-1
	737239-12-2	737239-13-3	737239-14-4	737239-15-5	737239-16-6
	737239-17-7	737239-18-8	737239-19-9	737239-20-2	737239-21-3
	737239-22-4	737239-23-5	737239-24-6	737239-25-7	737239-26-8
	737239-27-9	737239-28-0	737239-29-1	737239-30-4	737239-31-5
	737239-32-6	737239-33-7	737239-34-8	737239-35-9	737239-36-0
	737239-37-1	737239-38-2	737239-39-3	737239-40-6	737239-41-7
	737239-42-8	737239-43-9	737239-44-0	737239-45-1	737239-46-2
	737239-47-3	737239-48-4	737239-49-5	737239-50-8	737239-51-9
	737239-52-0	737239-53-1	737239-54-2	737239-55-3	737239-56-4
	737239-57-5	737239-58-6	737239-59-7	737239-60-0	737239-61-1
	737239-62-2	737239-63-3	737239-64-4	737239-65-5	737239-66-6
	737239-67-7	737239-68-8	737239-69-9	737239-70-2	737239-71-3
	737239-72-4	737239-73-5	737239-74-6	737239-75-7	737239-76-8
	737239-77-9	737239-78-0	737239-79-1	737239-80-4	737239-81-5
	737239-82-6	737239-83-7	737239-84-8	737239-85-9	737239-86-0
	737239-87-1	737239-88-2	737239-89-3	737239-90-6	737239-91-7
	737239-92-8	737239-93-9	737239-94-0	737239-95-1	737239-96-2
	737239-97-3	737239-98-4	737239-99-5	737240-00-5	737240-01-6

737240-02-7 737240-03-8 737240-04-9 737240-05-0 737240-06-1  
 737240-07-2 737240-08-3 737240-09-4 737240-10-7 737240-11-8  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	737240-12-9	737240-13-0	737240-14-1	737240-15-2	737240-16-3
	737240-17-4	737240-18-5	737240-19-6	737240-20-9	737240-21-0
	737240-22-1	737240-23-2	737240-24-3	737240-25-4	737240-26-5
	737240-27-6	737240-28-7	737240-29-8	737240-30-1	737240-31-2
	737240-32-3	737240-33-4	737240-34-5	737240-35-6	737240-36-7
	737240-37-8	737240-38-9	737240-39-0	737240-40-3	737240-41-4
	737240-42-5	737240-43-6	737240-44-7	737240-45-8	737240-46-9
	737240-47-0	737240-48-1	737240-49-2	737240-50-5	737240-51-6
	737240-52-7	737240-53-8	737240-54-9	737240-55-0	737240-56-1
	737240-57-2	737240-58-3	737240-59-4	737240-60-7	737240-61-8
	737240-62-9	737240-63-0	737240-64-1	737240-65-2	737240-66-3
	737240-67-4	737240-68-5	737240-69-6	737240-70-9	737240-71-0
	737240-72-1	737240-73-2	737240-74-3	737240-75-4	737240-76-5
	737240-77-6	737240-78-7	737240-79-8	737240-80-1	737240-81-2
	737240-82-3	737240-83-4	737240-84-5	737240-85-6	737240-86-7
	737240-87-8	737240-88-9	737240-89-0	737240-90-3	737240-91-4
	737240-92-5	737240-93-6	737240-94-7	737240-95-8	737240-96-9
	737240-97-0	737240-98-1	737240-99-2	737241-00-8	737241-01-9
	737241-02-0	737241-03-1	737241-04-2	737241-05-3	737241-06-4
	737241-07-5	737241-08-6	737241-09-7	737241-10-0	737241-11-1
	737241-12-2	737241-13-3	737241-14-4	737241-15-5	737241-16-6
	737241-17-7	737241-18-8	737241-19-9	737241-20-2	737241-21-3
	737241-22-4	737241-23-5	737241-24-6	737241-25-7	737241-26-8
	737241-27-9	737241-28-0	737241-29-1	737241-30-4	737241-31-5
	737241-32-6	737241-33-7	737241-34-8	737241-35-9	737241-36-0
	737241-37-1	737241-38-2	737241-39-3	737241-40-6	737241-41-7
	737241-42-8	737241-43-9	737241-44-0	737241-45-1	737241-46-2
	737241-47-3	737241-48-4	737241-49-5	737241-50-8	737241-51-9
	737241-52-0	737241-53-1	737241-54-2	737241-55-3	737241-56-4
	737241-57-5	737241-58-6	737241-59-7	737241-60-0	737241-61-1
	737241-62-2	737241-63-3	737241-64-4	737241-65-5	737241-66-6
	737241-67-7	737241-68-8	737241-69-9	737241-70-2	737241-71-3
	737241-72-4	737241-73-5	737241-74-6	737241-75-7	737241-76-8
	737241-77-9	737241-78-0	737241-79-1	737241-80-4	737241-81-5
	737241-82-6	737241-83-7	737241-84-8	737241-85-9	737241-86-0
	737241-87-1	737241-88-2	737241-89-3	737241-90-6	737241-91-7
	737241-92-8	737241-93-9	737241-94-0	737241-95-1	737241-96-2
	737241-97-3	737241-98-4	737241-99-5	737242-00-1	737242-01-2
	737242-02-3	737242-03-4	737242-04-5	737242-05-6	737242-06-7
	737242-07-8	737242-08-9	737242-09-0	737242-10-3	737242-11-4
	737242-12-5	737242-13-6	737242-14-7	737242-15-8	737242-16-9
	737242-17-0	737242-18-1	737242-19-2	737242-20-5	737242-21-6
	737242-22-7	737242-23-8	737242-24-9	737242-25-0	737242-26-1
	737242-27-2	737242-28-3	737242-29-4	737242-30-7	737242-31-8
	737242-32-9	737242-33-0	737242-34-1	737242-35-2	737242-36-3
	737242-37-4	737242-38-5	737242-39-6	737242-40-9	737242-41-0
	737242-42-1	737242-43-2	737242-44-3	737242-45-4	737242-46-5

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	737242-47-6	737242-48-7	737242-49-8	737242-50-1	737242-51-2
	737242-52-3	737242-53-4	737242-54-5	737242-55-6	737242-56-7
	737242-57-8	737242-58-9	737242-59-0	737242-60-3	737242-61-4
	737242-62-5	737242-63-6	737242-64-7	737242-65-8	737242-66-9
	737242-67-0	737242-68-1	737242-69-2	737242-70-5	737242-71-6
	737242-72-7	737242-73-8	737242-74-9	737242-75-0	737242-76-1
	737242-77-2	737242-78-3	737242-79-4	737242-80-7	737242-81-8
	737242-82-9	737242-83-0	737242-84-1	737242-85-2	737242-86-3
	737242-87-4	737242-88-5	737242-89-6	737242-90-9	737242-91-0

737242-92-1	737242-93-2	737242-94-3	737242-95-4	737242-96-5
737242-97-6	737242-98-7	737242-99-8	737243-00-4	737243-01-5
737243-02-6	737243-03-7	737243-04-8	737243-05-9	737243-06-0
737243-07-1	737243-08-2	737243-09-3	737243-10-6	737243-11-7
737243-12-8	737243-13-9	737243-14-0	737243-15-1	737243-16-2
737243-17-3	737243-18-4	737243-19-5	737243-20-8	737243-21-9
737243-22-0	737243-23-1	737243-24-2	737243-25-3	737243-26-4
737243-27-5	737243-28-6	737243-29-7	737243-30-0	737243-31-1
737243-32-2	737243-33-3	737243-34-4	737243-35-5	737243-36-6
737243-37-7	737243-38-8	737243-39-9	737243-40-2	737243-41-3
737243-42-4	737243-43-5	737243-44-6	737243-45-7	737243-46-8
737243-47-9	737243-48-0	737243-49-1	737243-50-4	737243-51-5
737243-52-6	737243-53-7	737243-54-8	737243-55-9	737243-56-0
737243-57-1	737243-58-2	737243-59-3	737243-60-6	737243-61-7
737243-62-8	737243-63-9	737243-64-0	737243-65-1	737243-66-2
737243-67-3	737243-68-4	737243-69-5	737243-70-8	737243-71-9
737243-72-0	737243-73-1	737243-74-2	737243-75-3	737243-76-4
737243-77-5	737243-78-6	737243-79-7	737243-80-0	737243-81-1
737243-82-2	737243-83-3	737243-84-4	737243-85-5	737243-86-6
737243-87-7	737243-88-8	737243-89-9	737243-90-2	737243-91-3
737243-92-4	737243-93-5	737243-94-6	737243-95-7	737243-96-8
737243-97-9	737243-98-0	737243-99-1	737244-00-7	737244-01-8
737244-02-9	737244-03-0	737244-04-1	737244-05-2	737244-06-3
737244-07-4	737244-08-5	737244-09-6	737244-10-9	737244-11-0
737244-12-1	737244-13-2	737244-14-3	737244-15-4	737244-16-5
737244-17-6	737244-18-7	737244-19-8	737244-20-1	737244-21-2
737244-22-3	737244-23-4	737244-24-5	737244-25-6	737244-26-7
737244-27-8	737244-28-9	737244-29-0	737244-30-3	737244-31-4
737244-32-5	737244-33-6	737244-34-7	737244-35-8	737244-36-9
737244-37-0	737244-38-1	737244-39-2	737244-40-5	737244-41-6
737244-42-7	737244-43-8	737244-44-9	737244-45-0	737244-46-1
737244-47-2	737244-48-3	737244-49-4	737244-50-7	737244-51-8
737244-52-9	737244-53-0	737244-54-1	737244-55-2	737244-56-3
737244-57-4	737244-58-5	737244-59-6	737244-60-9	737244-61-0
737244-62-1	737244-63-2	737244-64-3	737244-65-4	737244-66-5
737244-67-6	737244-68-7	737244-69-8	737244-70-1	737244-71-2
737244-72-3	737244-73-4	737244-74-5	737244-75-6	737244-76-7
737244-77-8	737244-78-9	737244-79-0	737244-80-3	737244-81-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737244-82-5	737244-83-6	737244-84-7	737244-85-8	737244-86-9
	737244-87-0	737244-88-1	737244-89-2	737244-90-5	737244-91-6
	737244-92-7	737244-93-8	737244-94-9	737244-95-0	737244-96-1
	737244-97-2	737244-98-3	737244-99-4	737245-00-0	737245-01-1
	737245-02-2	737245-03-3	737245-04-4	737245-05-5	737245-06-6
	737245-07-7	737245-08-8	737245-09-9	737245-10-2	737245-11-3
	737245-12-4	737245-13-5	737245-14-6	737245-15-7	737245-16-8
	737245-17-9	737245-18-0	737245-19-1	737245-20-4	737245-21-5
	737245-22-6	737245-23-7	737245-24-8	737245-25-9	737245-26-0
	737245-27-1	737245-28-2	737245-29-3	737245-30-6	737245-31-7
	737245-32-8	737245-33-9	737245-34-0	737245-35-1	737245-36-2
	737245-37-3	737245-38-4	737245-39-5	737245-40-8	737245-41-9
	737245-42-0	737245-43-1	737245-44-2	737245-45-3	737245-46-4
	737245-47-5	737245-48-6	737245-49-7	737245-50-0	737245-51-1
	737245-52-2	737245-53-3	737245-54-4	737245-55-5	737245-56-6
	737245-57-7	737245-58-8	737245-59-9	737245-60-2	737245-61-3
	737245-62-4	737245-63-5	737245-64-6	737245-65-7	737245-66-8
	737245-67-9	737245-68-0	737245-69-1	737245-70-4	737245-71-5
	737245-72-6	737245-73-7	737245-74-8	737245-75-9	737245-76-0
	737245-77-1	737245-78-2	737245-79-3	737245-80-6	737245-81-7
	737245-82-8	737245-83-9	737245-84-0	737245-85-1	737245-86-2
	737245-87-3	737245-88-4	737245-89-5	737245-90-8	737245-91-9
	737245-92-0	737245-93-1	737245-94-2	737245-95-3	737245-96-4
	737245-97-5	737245-98-6	737245-99-7	737246-00-3	737246-01-4

737246-02-5	737246-03-6	737246-04-7	737246-05-8	737246-06-9
737246-07-0	737246-08-1	737246-09-2	737246-10-5	737246-11-6
737246-12-7	737246-13-8	737246-14-9	737246-15-0	737246-16-1
737246-17-2	737246-18-3	737246-19-4	737246-20-7	737246-21-8
737246-22-9	737246-23-0	737246-24-1	737246-25-2	737246-26-3
737246-27-4	737246-28-5	737246-29-6	737246-30-9	737246-31-0
737246-32-1	737246-33-2	737246-34-3	737246-35-4	737246-36-5
737246-37-6	737246-38-7	737246-39-8	737246-40-1	737246-41-2
737246-42-3	737246-43-4	737246-44-5	737246-45-6	737246-46-7
737246-47-8	737246-48-9	737246-49-0	737246-50-3	737246-51-4
737246-52-5	737246-53-6	737246-54-7	737246-55-8	737246-56-9
737246-57-0	737246-58-1	737246-59-2	737246-60-5	737246-61-6
737246-62-7	737246-63-8	737246-64-9	737246-65-0	737246-66-1
737246-67-2	737246-68-3	737246-69-4	737246-70-7	737246-71-8
737246-72-9	737246-73-0	737246-74-1	737246-75-2	737246-76-3
737246-77-4	737246-78-5	737246-79-6	737246-80-9	737246-81-0
737246-82-1	737246-83-2	737246-84-3	737246-85-4	737246-86-5
737246-87-6	737246-88-7	737246-89-8	737246-90-1	737246-91-2
737246-92-3	737246-93-4	737246-94-5	737246-95-6	737246-96-7
737246-97-8	737246-98-9	737246-99-0	737247-00-6	737247-01-7
737247-02-8	737247-03-9	737247-04-0	737247-05-1	737247-06-2
737247-07-3	737247-08-4	737247-09-5	737247-10-8	737247-11-9
737247-12-0	737247-13-1	737247-14-2	737247-15-3	737247-16-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737247-17-5	737247-18-6	737247-19-7	737247-20-0	737247-21-1
737247-22-2	737247-23-3	737247-24-4	737247-25-5	737247-26-6
737247-27-7	737247-28-8	737247-29-9	737247-30-2	737247-31-3
737247-32-4	737247-33-5	737247-34-6	737247-35-7	737247-36-8
737247-37-9	737247-38-0	737247-39-1	737247-40-4	737247-41-5
737247-42-6	737247-43-7	737247-44-8	737247-45-9	737247-46-0
737247-47-1	737247-48-2	737247-49-3	737247-50-6	737247-51-7
737247-52-8	737247-53-9	737247-54-0	737247-55-1	737247-56-2
737247-57-3	737247-58-4	737247-59-5	737247-60-8	737247-61-9
737247-62-0	737247-63-1	737247-64-2	737247-65-3	737247-66-4
737247-67-5	737247-68-6	737247-69-7	737247-70-0	737247-71-1
737247-72-2	737247-73-3	737247-74-4	737247-75-5	737247-76-6
737247-77-7	737247-78-8	737247-79-9	737247-80-2	737247-81-3
737247-82-4	737247-83-5	737247-84-6	737247-85-7	737247-86-8
737247-87-9	737247-88-0	737247-89-1	737247-90-4	737247-91-5
737247-92-6	737247-93-7	737247-94-8	737247-95-9	737247-96-0
737247-97-1	737247-98-2	737247-99-3	737248-00-9	737248-01-0
737248-02-1	737248-03-2	737248-04-3	737248-05-4	737248-06-5
737248-07-6	737248-08-7	737248-09-8	737248-10-1	737248-11-2
737248-12-3	737248-13-4	737248-14-5	737248-15-6	737248-16-7
737248-17-8	737248-18-9	737248-19-0	737248-20-3	737248-21-4
737248-22-5	737248-23-6	737248-24-7	737248-25-8	737248-26-9
737248-27-0	737248-28-1	737248-29-2	737248-30-5	737248-31-6
737248-32-7	737248-33-8	737248-34-9	737248-35-0	737248-36-1
737248-37-2	737248-38-3	737248-39-4	737248-40-7	737248-41-8
737248-42-9	737248-43-0	737248-44-1	737248-45-2	737248-46-3
737248-47-4	737248-48-5	737248-49-6	737248-50-9	737248-51-0
737248-52-1	737248-53-2	737248-54-3	737248-55-4	737248-56-5
737248-57-6	737248-58-7	737248-59-8	737248-60-1	737248-61-2
737248-62-3	737248-63-4	737248-64-5	737248-65-6	737248-66-7
737248-67-8	737248-68-9	737248-69-0	737248-70-3	737248-71-4
737248-72-5	737248-73-6	737248-74-7	737248-75-8	737248-76-9
737248-77-0	737248-78-1	737248-79-2	737248-80-5	737248-81-6
737248-82-7	737248-83-8	737248-84-9	737248-85-0	737248-86-1
737248-87-2	737248-88-3	737248-89-4	737248-90-7	737248-91-8
737248-92-9	737248-93-0	737248-94-1	737248-95-2	737248-96-3
737248-97-4	737248-98-5	737248-99-6	737249-00-2	737249-01-3
737249-02-4	737249-03-5	737249-04-6	737249-05-7	737249-06-8
737249-07-9	737249-08-0	737249-09-1	737249-10-4	737249-11-5

737249-12-6	737249-13-7	737249-14-8	737249-15-9	737249-16-0
737249-17-1	737249-18-2	737249-19-3	737249-20-6	737249-21-7
737249-22-8	737249-23-9	737249-24-0	737249-25-1	737249-26-2
737249-27-3	737249-28-4	737249-29-5	737249-30-8	737249-31-9
737249-32-0	737249-33-1	737249-34-2	737249-35-3	737249-36-4
737249-37-5	737249-38-6	737249-39-7	737249-40-0	737249-41-1
737249-42-2	737249-43-3	737249-44-4	737249-45-5	737249-46-6
737249-47-7	737249-48-8	737249-49-9	737249-50-2	737249-51-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737249-52-4	737249-53-5	737249-54-6	737249-55-7	737249-56-8
	737249-57-9	737249-58-0	737249-59-1	737249-60-4	737249-61-5
	737249-62-6	737249-63-7	737249-64-8	737249-65-9	737249-66-0
	737249-67-1	737249-68-2	737249-69-3	737249-70-6	737249-71-7
	737249-72-8	737249-73-9	737249-74-0	737249-75-1	737249-76-2
	737249-77-3	737249-78-4	737249-79-5	737249-80-8	737249-81-9
	737249-82-0	737249-83-1	737249-84-2	737249-85-3	737249-86-4
	737249-87-5	737249-88-6	737249-89-7	737249-90-0	737249-91-1
	737249-92-2	737249-93-3	737249-94-4	737249-95-5	737249-96-6
	737249-97-7	737249-98-8	737249-99-9	737250-00-9	737250-01-0
	737250-02-1	737250-03-2	737250-04-3	737250-05-4	737250-06-5
	737250-07-6	737250-08-7	737250-09-8	737250-10-1	737250-11-2
	737250-12-3	737250-13-4	737250-14-5	737250-15-6	737250-16-7
	737250-17-8	737250-18-9	737250-19-0	737250-20-3	737250-21-4
	737250-22-5	737250-23-6	737250-24-7	737250-25-8	737250-26-9
	737250-27-0	737250-28-1	737250-29-2	737250-30-5	737250-31-6
	737250-32-7	737250-33-8	737250-34-9	737250-35-0	737250-36-1
	737250-37-2	737250-38-3	737250-39-4	737250-40-7	737250-41-8
	737250-42-9	737250-43-0	737250-44-1	737250-45-2	737250-46-3
	737250-47-4	737250-48-5	737250-49-6	737250-50-9	737250-51-0
	737250-52-1	737250-53-2	737250-54-3	737250-55-4	737250-56-5
	737250-57-6	737250-58-7	737250-59-8	737250-60-1	737250-61-2
	737250-62-3	737250-63-4	737250-64-5	737250-65-6	737250-66-7
	737250-67-8	737250-68-9	737250-69-0	737250-70-3	737250-71-4
	737250-72-5	737250-73-6	737250-74-7	737250-75-8	737250-76-9
	737250-77-0	737250-78-1	737250-79-2	737250-80-5	737250-81-6
	737250-82-7	737250-83-8	737250-84-9	737250-85-0	737250-86-1
	737250-87-2	737250-88-3	737250-89-4	737250-90-7	737250-91-8
	737250-92-9	737250-93-0	737250-94-1	737250-95-2	737250-96-3
	737250-97-4	737250-98-5	737250-99-6	737251-00-2	737251-01-3
	737251-02-4	737251-03-5	737251-04-6	737251-05-7	737251-06-8
	737251-07-9	737251-08-0	737251-09-1	737251-10-4	737251-11-5
	737251-12-6	737251-13-7	737251-14-8	737251-15-9	737251-16-0
	737251-17-1	737251-18-2	737251-19-3	737251-20-6	737251-21-7
	737251-22-8	737251-23-9	737251-24-0	737251-25-1	737251-26-2
	737251-27-3	737251-28-4	737251-29-5	737251-30-8	737251-31-9
	737251-32-0	737251-33-1	737251-34-2	737251-35-3	737251-36-4
	737251-37-5	737251-38-6	737251-39-7	737251-40-0	737251-41-1
	737251-42-2	737251-43-3	737251-44-4	737251-45-5	737251-46-6
	737251-47-7	737251-48-8	737251-49-9	737251-50-2	737251-51-3
	737251-52-4	737251-53-5	737251-54-6	737251-55-7	737251-56-8
	737251-57-9	737251-58-0	737251-59-1	737251-60-4	737251-61-5
	737251-62-6	737251-63-7	737251-64-8	737251-65-9	737251-66-0
	737251-67-1	737251-68-2	737251-69-3	737251-70-6	737251-71-7
	737251-72-8	737251-73-9	737251-74-0	737251-75-1	737251-76-2
	737251-77-3	737251-78-4	737251-79-5	737251-80-8	737251-81-9
	737251-82-0	737251-83-1	737251-84-2	737251-85-3	737251-86-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737251-87-5	737251-88-6	737251-89-7	737251-90-0	737251-91-1
	737251-92-2	737251-93-3	737251-94-4	737251-95-5	737251-96-6
	737251-97-7	737251-98-8	737251-99-9	737252-00-5	737252-01-6

737252-02-7	737252-03-8	737252-04-9	737252-05-0	737252-06-1
737252-07-2	737252-08-3	737252-09-4	737252-10-7	737252-11-8
737252-12-9	737252-13-0	737252-14-1	737252-15-2	737252-16-3
737252-17-4	737252-18-5	737252-19-6	737252-20-9	737252-21-0
737252-22-1	737252-23-2	737252-24-3	737252-25-4	737252-26-5
737252-27-6	737252-28-7	737252-29-8	737252-30-1	737252-31-2
737252-32-3	737252-33-4	737252-34-5	737252-35-6	737252-36-7
737252-37-8	737252-38-9	737252-39-0	737252-40-3	737252-41-4
737252-42-5	737252-43-6	737252-44-7	737252-45-8	737252-46-9
737252-47-0	737252-48-1	737252-49-2	737252-50-5	737252-51-6
737252-52-7	737252-53-8	737252-54-9	737252-55-0	737252-56-1
737252-57-2	737252-58-3	737252-59-4	737252-60-7	737252-61-8
737252-62-9	737252-63-0	737252-64-1	737252-65-2	737252-66-3
737252-67-4	737252-68-5	737252-69-6	737252-70-9	737252-71-0
737252-72-1	737252-73-2	737252-74-3	737252-75-4	737252-76-5
737252-77-6	737252-78-7	737252-79-8	737252-80-1	737252-81-2
737252-82-3	737252-83-4	737252-84-5	737252-85-6	737252-86-7
737252-87-8	737252-88-9	737252-89-0	737252-90-3	737252-91-4
737252-92-5	737252-93-6	737252-94-7	737252-95-8	737252-96-9
737252-97-0	737252-98-1	737252-99-2	737253-00-8	737253-01-9
737253-02-0	737253-03-1	737253-04-2	737253-05-3	737253-06-4
737253-07-5	737253-08-6	737253-09-7	737253-10-0	737253-11-1
737253-12-2	737253-13-3	737253-14-4	737253-15-5	737253-16-6
737253-17-7	737253-18-8	737253-19-9	737253-20-2	737253-21-3
737253-22-4	737253-23-5	737253-24-6	737253-25-7	737253-26-8
737253-27-9	737253-28-0	737253-29-1	737253-30-4	737253-31-5
737253-32-6	737253-33-7	737253-34-8	737253-35-9	737253-36-0
737253-37-1	737253-38-2	737253-39-3	737253-40-6	737253-41-7
737253-42-8	737253-43-9	737253-44-0	737253-45-1	737253-46-2
737253-47-3	737253-48-4	737253-49-5	737253-50-8	737253-51-9
737253-52-0	737253-53-1	737253-54-2	737253-55-3	737253-56-4
737253-57-5	737253-58-6	737253-59-7	737253-60-0	737253-61-1
737253-62-2	737253-63-3	737253-64-4	737253-65-5	737253-66-6
737253-67-7	737253-68-8	737253-69-9	737253-70-2	737253-71-3
737253-72-4	737253-73-5	737253-74-6	737253-75-7	737253-76-8
737253-77-9	737253-78-0	737253-79-1	737253-80-4	737253-81-5
737253-82-6	737253-83-7	737253-84-8	737253-85-9	737253-86-0
737253-87-1	737253-88-2	737253-89-3	737253-90-6	737253-91-7
737253-92-8	737253-93-9	737253-94-0	737253-95-1	737253-96-2
737253-97-3	737253-98-4	737253-99-5	737254-00-1	737254-01-2
737254-02-3	737254-03-4	737254-04-5	737254-05-6	737254-06-7
737254-07-8	737254-08-9	737254-09-0	737254-10-3	737254-11-4
737254-12-5	737254-13-6	737254-14-7	737254-15-8	737254-16-9
737254-17-0	737254-18-1	737254-19-2	737254-20-5	737254-21-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737254-22-7	737254-23-8	737254-24-9	737254-25-0	737254-26-1
	737254-27-2	737254-28-3	737254-29-4	737254-30-7	737254-31-8
	737254-32-9	737254-33-0	737254-34-1	737254-35-2	737254-36-3
	737254-37-4	737254-38-5	737254-39-6	737254-40-9	737254-41-0
	737254-42-1	737254-43-2	737254-44-3	737254-45-4	737254-46-5
	737254-47-6	737254-48-7	737254-49-8	737254-50-1	737254-51-2
	737254-52-3	737254-53-4	737254-54-5	737254-55-6	737254-56-7
	737254-57-8	737254-58-9	737254-59-0	737254-60-3	737254-61-4
	737254-62-5	737254-63-6	737254-64-7	737254-65-8	737254-66-9
	737254-67-0	737254-68-1	737254-69-2	737254-70-5	737254-71-6
	737254-72-7	737254-73-8	737254-74-9	737254-75-0	737254-76-1
	737254-77-2	737254-78-3	737254-79-4	737254-80-7	737254-81-8
	737254-82-9	737254-83-0	737254-84-1	737254-85-2	737254-86-3
	737254-87-4	737254-88-5	737254-89-6	737254-90-9	737254-91-0
	737254-92-1	737254-93-2	737254-94-3	737254-95-4	737254-96-5
	737254-97-6	737254-98-7	737254-99-8	737255-00-4	737255-01-5
	737255-02-6	737255-03-7	737255-04-8	737255-05-9	737255-06-0
	737255-07-1	737255-08-2	737255-09-3	737255-10-6	737255-11-7

737255-12-8	737255-13-9	737255-14-0	737255-15-1	737255-16-2
737255-17-3	737255-18-4	737255-19-5	737255-20-8	737255-21-9
737255-22-0	737255-23-1	737255-24-2	737255-25-3	737255-26-4
737255-27-5	737255-28-6	737255-29-7	737255-30-0	737255-31-1
737255-32-2	737255-33-3	737255-34-4	737255-35-5	737255-36-6
737255-37-7	737255-38-8	737255-39-9	737255-40-2	737255-41-3
737255-42-4	737255-43-5	737255-44-6	737255-45-7	737255-46-8
737255-47-9	737255-48-0	737255-49-1	737255-50-4	737255-51-5
737255-52-6	737255-53-7	737255-54-8	737255-55-9	737255-56-0
737255-57-1	737255-58-2	737255-59-3	737255-60-6	737255-61-7
737255-62-8	737255-63-9	737255-64-0	737255-65-1	737255-66-2
737255-67-3	737255-68-4	737255-69-5	737255-70-8	737255-71-9
737255-72-0	737255-73-1	737255-74-2	737255-75-3	737255-76-4
737255-77-5	737255-78-6	737255-79-7	737255-80-0	737255-81-1
737255-82-2	737255-83-3	737255-84-4	737255-85-5	737255-86-6
737255-87-7	737255-88-8	737255-89-9	737255-90-2	737255-91-3
737255-92-4	737255-93-5	737255-94-6	737255-95-7	737255-96-8
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737256-26-7	737256-27-8	737256-28-9	737256-29-0	737256-30-3
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737256-56-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737256-57-4	737256-58-5	737256-59-6	737256-60-9	737256-61-0
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	737257-47-5	737257-48-6	737257-49-7	737257-50-0	737257-51-1
	737257-52-2	737257-53-3	737257-54-4	737257-55-5	737257-56-6
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737258-42-3	737258-43-4	737258-44-5	737258-45-6	737258-46-7
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737258-77-4	737258-78-5	737258-79-6	737258-80-9	737258-81-0
737258-82-1	737258-83-2	737258-84-3	737258-85-4	737258-86-5
737258-87-6	737258-88-7	737258-89-8	737258-90-1	737258-91-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	737258-92-3	737258-93-4	737258-94-5	737258-95-6	737258-96-7
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	737259-07-3	737259-08-4	737259-09-5	737259-10-8	737259-11-9
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	737259-17-5	737259-18-6	737259-19-7	737259-20-0	737259-21-1
	737259-22-2	737259-23-3	737259-24-4	737259-25-5	737259-26-6
	737259-27-7	737259-28-8	737259-29-9	737259-30-2	737259-31-3
	737259-32-4	737259-33-5	737259-34-6	737259-35-7	737259-36-8
	737259-37-9	737259-38-0	737259-39-1	737259-40-4	

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 737211-16-4 737226-77-6 737256-24-5  
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

RN 737211-16-4 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_77553C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 LIFRDYRRSG FGDDWILQVI YRYCCDLGPV RPSGSGCRSDR RVSRGQTGQL  
51 ASGWPTLCRF WFRVVCCLDIR DCFMLASRWI LCREVIKLSS TSRVLQFVFS  
101 RVQRSNQRDT NGQIGGIAAV RPVGTRQSDR RQVQATAASS GGXTGRSPRA  
151 RRRAPKRSRDR RNTFGQTAIR QI

RN 737226-77-6 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_78973C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MAKSLLVSSL LAVVAVVVG AGPNPQYCPP SSCGHLGNIS YPFRAXDSR  
51 PCVATPRPWY NLSCSSGRAA IQINTGTYYV SSINYTGVEF SVVDATLQDD

101 DTNGTSCPLP RSDHLPYIDY WPPYLGESST DSYGFFDLAT ASGTWACFVN  
 151 CSRAITDIMP WYRPVTCCLP NNSFVVSFD DCAVGELQPS CRYLAMIPFE  
 201 SRHISDNSSQ LQNASYTDII GFIRKGFVSF FPYRPDQYQS PRMSARECLK  
 251 DSNRYFKERI SHPSILNLTR AIFWSETNSE VDCGYEVAPO KDRIFLGTIV  
 301 SAIDIIFKHF VLFRLVLGSL VVFIFLAHKY WKTRITIDAV EKFLRMQQMI  
 351 GPTRFAYTDI IAITSHFRDK LGQGGYGSVY KGVLLPGNVH IAVKMLTGSS  
 401 SCNGDEFISE VSTIGRIHHV NVVRLVGFCF EEMRRALVYE YMPRGSLDKY  
 451 IFSSEKSFSW DKLNEIALGI ARGINYLHOG CEMQILHFDI KPHNILLDDN  
 501 FVPKVADFGL AKLYPRDKSF VPSAARGTV GYIAPEMISR SFGVISSKSD  
 551 VYSFGMLLLE MAGGRRNADP NAANSSQAYY PSRVYRELTR RETSEISDIA  
 601 DMHELEKKLC IVGLWCIQMR SCDRPTMSEV IEMLEGGTDE LQVPPRPFFC  
 651 DDEQLPGVES YNMPSDLTAI SEEHEDDDDD SICLFESYQ

RN 737256-24-5 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_81653C.1.pep fragment) (9CI) (CA  
 INDEX NAME)

SEQ 1 MKVVRFFSKC PDCPSSVDGF AVCLPAHLPF RRCLESVCIA MLSLCWPHVW  
 51 HSAPLALVDA HLSPEGRGGG SGVVAIVSCV LTVHLGPFXC THLSTTSMEA  
 101 HRGEIARWLE VLTAKGVQEL VFXLDLCLPA ALFGCSSLTR LHIGVWRLPD  
 151 TRDILHGAAF PHLHEMVLSC IVMEYRDLAF LLDRSNALEV LAIITCQTNM  
 201 AELVCVRLAS CILRIFQVCL TIVNXIDVVD APRLERLMLW MTSKH

L12 ANSWER 19 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:663850 HCAPLUS  
 DN 141:186005  
 ED Entered STN: 16 Aug 2004  
 TI Rice nucleic acid molecules and encoded proteins and their uses for plant  
 improvement  
 IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei;  
 Boukharov, Andrey A.; Barbazuk, Brad W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04  
 INCL 800278000; 435069100; 435200000; 435201000; 435419000; 536023200  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11  
 FAN.CNT 27

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
	INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
US 2004123343	NCL	800/278.000 <--
US 2004123343	NCL	800/278.000
	ECLA	C07K014/415 <--

AB The present invention provides 102,483 cDNA sequences and their encoded  
 protein sequences from rice (Oryza sativa). Bioinformatic anal.

identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

- ST rice cDNA protein sequence plant transformation
- IT Stress, plant
  - (cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Stress, plant
  - (heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Recombination, genetic
  - (homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Fats and Glyceridic oils, biological studies
  - Growth regulators, plant
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Pathogen
  - (improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Carbohydrates, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Stress, plant
  - (osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Cell cycle
  - Disease resistance, plant
  - Growth and development, plant
  - Herbicides
  - Oryza sativa
  - Photosynthesis, biological
  - Protein sequences
  - Transformation, genetic
  - cDNA library
  - cDNA sequences
    - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Transcription factors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Proteins
  - cDNA
  - RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT Embryophyta
  - (transgenic; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)
- IT
 

736157-82-7	736157-83-8	736157-84-9	736157-85-0	736157-87-2
736157-88-3	736157-89-4	736157-90-7	736157-91-8	736157-92-9
736157-93-0	736157-94-1	736157-95-2	736157-96-3	736592-07-7
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736594-23-3	736594-24-4	736594-25-5	736594-26-6	736594-27-7

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736594-28-8	736594-29-9	736594-30-2	736594-31-3	736594-32-4
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	736595-33-8	736595-34-9	736595-35-0	736595-36-1	736595-37-2
	736595-38-3	736595-39-4	736595-40-7	736595-41-8	736595-42-9
	736595-43-0	736595-44-1	736595-45-2	736595-46-3	736595-47-4
	736595-48-5	736595-49-6	736595-50-9	736595-51-0	736595-52-1

736595-53-2	736595-54-3	736595-55-4	736595-56-5	736595-57-6
736595-58-7	736595-59-8	736595-60-1	736595-61-2	736595-62-3
736595-63-4	736595-64-5	736595-65-6	736595-66-7	736595-67-8
736595-68-9	736595-69-0	736595-70-3	736595-71-4	736595-72-5
736595-73-6	736595-74-7	736595-75-8	736595-76-9	736595-77-0
736595-78-1	736595-79-2	736595-80-5	736595-81-6	736595-82-7
736595-83-8	736595-84-9	736595-85-0	736595-86-1	736595-87-2
736595-88-3	736595-89-4	736595-90-7	736595-91-8	736595-92-9
736595-93-0	736595-94-1	736595-95-2	736595-96-3	736595-97-4
736595-98-5	736595-99-6	736596-00-2	736596-01-3	736596-02-4
736596-03-5	736596-04-6	736596-05-7	736596-06-8	736596-07-9
736596-08-0	736596-09-1	736596-10-4	736596-11-5	736596-12-6
736596-13-7	736596-14-8	736596-15-9	736596-16-0	736596-17-1
736596-18-2	736596-19-3	736596-20-6	736596-21-7	736596-22-8
736596-23-9	736596-24-0	736596-25-1	736596-26-2	736596-27-3
736596-28-4	736596-29-5	736596-30-8	736596-31-9	736596-32-0
736596-33-1	736596-34-2	736596-35-3	736596-36-4	736596-37-5
736596-38-6	736596-39-7	736596-40-0	736596-41-1	736596-42-2
736596-43-3	736596-44-4	736596-45-5	736596-46-6	736596-47-7
736596-48-8	736596-49-9	736596-50-2	736596-51-3	736596-52-4
736596-53-5	736596-54-6	736596-55-7	736596-56-8	736596-57-9
736596-58-0	736596-59-1	736596-60-4	736596-61-5	736596-62-6

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736596-63-7	736596-64-8	736596-65-9	736596-66-0	736596-67-1
	736596-68-2	736596-69-3	736596-70-6	736596-71-7	736596-72-8
	736596-73-9	736596-74-0	736596-75-1	736596-76-2	736596-77-3
	736596-78-4	736596-79-5	736596-80-8	736596-81-9	736596-82-0
	736596-83-1	736596-84-2	736596-85-3	736596-86-4	736596-87-5
	736596-88-6	736596-89-7	736596-90-0	736596-91-1	736596-92-2
	736596-93-3	736596-94-4	736596-95-5	736596-96-6	736596-97-7
	736596-98-8	736596-99-9	736597-00-5	736597-01-6	736597-02-7
	736597-03-8	736597-04-9	736597-05-0	736597-06-1	736597-07-2
	736597-08-3	736597-09-4	736597-10-7	736597-11-8	736597-12-9
	736597-13-0	736597-14-1	736597-15-2	736597-16-3	736597-17-4
	736597-18-5	736597-19-6	736597-20-9	736597-21-0	736597-22-1
	736597-23-2	736597-24-3	736597-25-4	736597-26-5	736597-27-6
	736597-28-7	736597-29-8	736597-30-1	736597-31-2	736597-32-3
	736597-33-4	736597-34-5	736597-35-6	736597-36-7	736597-37-8
	736597-38-9	736597-39-0	736597-40-3	736597-41-4	736597-42-5
	736597-43-6	736597-44-7	736597-45-8	736597-46-9	736597-47-0
	736597-48-1	736597-49-2	736597-50-5	736597-51-6	736597-52-7
	736597-53-8	736597-54-9	736597-55-0	736597-56-1	736597-57-2
	736597-58-3	736597-59-4	736597-60-7	736597-61-8	736597-62-9
	736597-63-0	736597-64-1	736597-65-2	736597-66-3	736597-67-4
	736597-68-5	736597-69-6	736597-70-9	736597-71-0	736597-72-1
	736597-73-2	736597-74-3	736597-75-4	736597-76-5	736597-77-6
	736597-78-7	736597-79-8	736597-80-1	736597-81-2	736597-82-3
	736597-83-4	736597-84-5	736597-85-6	736597-86-7	736597-87-8
	736597-88-9	736597-89-0	736597-90-3	736597-91-4	736597-92-5
	736597-93-6	736597-94-7	736597-95-8	736597-96-9	736597-97-0
	736597-98-1	736597-99-2	736598-00-8	736598-01-9	736598-02-0
	736598-03-1	736598-04-2	736598-05-3	736598-06-4	736598-07-5
	736598-08-6	736598-09-7	736598-10-0	736598-11-1	736598-12-2
	736598-13-3	736598-14-4	736598-15-5	736598-16-6	736598-17-7
	736598-18-8	736598-19-9	736598-20-2	736598-21-3	736598-22-4
	736598-23-5	736598-24-6	736598-25-7	736598-26-8	736598-27-9
	736598-28-0	736598-29-1	736598-30-4	736598-31-5	736598-32-6
	736598-33-7	736598-34-8	736598-35-9	736598-36-0	736598-37-1
	736598-38-2	736598-39-3	736598-40-6	736598-41-7	736598-42-8
	736598-43-9	736598-44-0	736598-45-1	736598-46-2	736598-47-3
	736598-48-4	736598-49-5	736598-50-8	736598-51-9	736598-52-0
	736598-53-1	736598-54-2	736598-55-3	736598-56-4	736598-57-5
	736598-58-6	736598-59-7	736598-60-0	736598-61-1	736598-62-2

736598-63-3	736598-64-4	736598-65-5	736598-66-6	736598-67-7
736598-68-8	736598-69-9	736598-70-2	736598-71-3	736598-72-4
736598-73-5	736598-74-6	736598-75-7	736598-76-8	736598-77-9
736598-78-0	736598-79-1	736598-80-4	736598-81-5	736598-82-6
736598-83-7	736598-84-8	736598-85-9	736598-86-0	736598-87-1
736598-88-2	736598-89-3	736598-90-6	736598-91-7	736598-92-8
736598-93-9	736598-94-0	736598-95-1	736598-96-2	736598-97-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736598-98-4	736598-99-5	736599-00-1	736599-01-2	736599-02-3
	736599-03-4	736599-04-5	736599-05-6	736599-06-7	736599-07-8
	736599-08-9	736599-09-0	736599-10-3	736599-11-4	736599-12-5
	736599-13-6	736599-14-7	736599-15-8	736599-16-9	736599-17-0
	736599-18-1	736599-19-2	736599-20-5	736599-21-6	736599-22-7
	736599-23-8	736599-24-9	736599-25-0	736599-26-1	736599-27-2
	736599-28-3	736599-29-4	736599-30-7	736599-31-8	736599-32-9
	736599-33-0	736599-34-1	736599-35-2	736599-36-3	736599-37-4
	736599-38-5	736599-39-6	736599-40-9	736599-41-0	736599-42-1
	736599-43-2	736599-44-3	736599-45-4	736599-46-5	736599-47-6
	736599-48-7	736599-49-8	736599-50-1	736599-51-2	736599-52-3
	736599-53-4	736599-54-5	736599-55-6	736599-56-7	736599-57-8
	736599-58-9	736599-59-0	736599-60-3	736599-61-4	736599-62-5
	736599-63-6	736599-64-7	736599-65-8	736599-66-9	736599-67-0
	736599-68-1	736599-69-2	736599-70-5	736599-71-6	736599-72-7
	736599-73-8	736599-74-9	736599-75-0	736599-76-1	736599-77-2
	736599-78-3	736599-79-4	736599-80-7	736599-81-8	736599-82-9
	736599-83-0	736599-84-1	736599-85-2	736599-86-3	736599-87-4
	736599-88-5	736599-89-6	736599-90-9	736599-91-0	736599-92-1
	736599-93-2	736599-94-3	736599-95-4	736599-96-5	736599-97-6
	736599-98-7	736599-99-8	736600-00-3	736600-01-4	736600-02-5
	736600-03-6	736600-04-7	736600-05-8	736600-06-9	736600-07-0
	736600-08-1	736600-09-2	736600-10-5	736600-11-6	736600-12-7
	736600-13-8	736600-14-9	736600-15-0	736600-16-1	736600-17-2
	736600-18-3	736600-19-4	736600-20-7	736600-21-8	736600-22-9
	736600-23-0	736600-24-1	736600-25-2	736600-26-3	736600-27-4
	736600-28-5	736600-29-6	736600-30-9	736600-31-0	736600-32-1
	736600-33-2	736600-34-3	736600-35-4	736600-36-5	736600-37-6
	736600-38-7	736600-39-8	736600-40-1	736600-41-2	736600-42-3
	736600-43-4	736600-44-5	736600-45-6	736600-46-7	736600-47-8
	736600-48-9	736600-49-0	736600-50-3	736600-51-4	736600-52-5
	736600-53-6	736600-54-7	736600-55-8	736600-56-9	736600-57-0
	736600-58-1	736600-59-2	736600-60-5	736600-61-6	736600-62-7
	736600-63-8	736600-64-9	736600-65-0	736600-66-1	736600-67-2
	736600-68-3	736600-69-4	736600-70-7	736600-71-8	736600-72-9
	736600-73-0	736600-74-1	736600-75-2	736600-76-3	736600-77-4
	736600-78-5	736600-79-6	736600-80-9	736600-81-0	736600-82-1
	736600-83-2	736600-84-3	736600-85-4	736600-86-5	736600-87-6
	736600-88-7	736600-89-8	736600-90-1	736600-91-2	736600-92-3
	736600-93-4	736600-94-5	736600-95-6	736600-96-7	736600-97-8
	736600-98-9	736600-99-0	736601-00-6	736601-01-7	736601-02-8
	736601-03-9	736601-04-0	736601-05-1	736601-06-2	736601-07-3
	736601-08-4	736601-09-5	736601-10-8	736601-11-9	736601-12-0
	736601-13-1	736601-14-2	736601-15-3	736601-16-4	736601-17-5
	736601-18-6	736601-19-7	736601-20-0	736601-21-1	736601-22-2
	736601-23-3	736601-24-4	736601-25-5	736601-26-6	736601-27-7
	736601-28-8	736601-29-9	736601-30-2	736601-31-3	736601-32-4

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736601-33-5	736601-34-6	736601-35-7	736601-36-8	736601-37-9
	736601-38-0	736601-39-1	736601-40-4	736601-41-5	736601-42-6
	736601-43-7	736601-44-8	736601-45-9	736601-46-0	736601-47-1
	736601-48-2	736601-49-3	736601-50-6	736601-51-7	736601-52-8

736601-53-9	736601-54-0	736601-55-1	736601-56-2	736601-57-3
736601-58-4	736601-59-5	736601-60-8	736601-61-9	736601-62-0
736601-63-1	736601-64-2	736601-65-3	736601-66-4	736601-67-5
736601-68-6	736601-69-7	736601-70-0	736601-71-1	736601-72-2
736601-73-3	736601-74-4	736601-75-5	736601-76-6	736601-77-7
736601-78-8	736601-79-9	736601-80-2	736601-81-3	736601-82-4
736601-83-5	736601-84-6	736601-85-7	736601-86-8	736601-87-9
736601-88-0	736601-89-1	736601-90-4	736601-91-5	736601-92-6
736601-93-7	736601-94-8	736601-95-9	736601-96-0	736601-97-1
736601-98-2	736601-99-3	736602-00-9	736602-01-0	736602-02-1
736602-03-2	736602-04-3	736602-05-4	736602-06-5	736602-07-6
736602-08-7	736602-09-8	736602-10-1	736602-11-2	736602-12-3
736602-13-4	736602-14-5	736602-15-6	736602-16-7	736602-17-8
736602-18-9	736602-19-0	736602-20-3	736602-21-4	736602-22-5
736602-23-6	736602-24-7	736602-25-8	736602-26-9	736602-27-0
736602-28-1	736602-29-2	736602-30-5	736602-31-6	736602-32-7
736602-33-8	736602-34-9	736602-35-0	736602-36-1	736602-37-2
736602-38-3	736602-39-4	736602-40-7	736602-41-8	736602-42-9
736602-43-0	736602-44-1	736602-45-2	736602-46-3	736602-47-4
736602-48-5	736602-49-6	736602-50-9	736602-51-0	736602-52-1
736602-53-2	736602-54-3	736602-55-4	736602-56-5	736602-57-6
736602-58-7	736602-59-8	736602-60-1	736602-61-2	736602-62-3
736602-63-4	736602-64-5	736602-65-6	736602-66-7	736602-67-8
736602-68-9	736602-69-0	736602-70-3	736602-71-4	736602-72-5
736602-73-6	736602-74-7	736602-75-8	736602-76-9	736602-77-0
736602-78-1	736602-79-2	736602-80-5	736602-81-6	736602-82-7
736602-83-8	736602-84-9	736602-85-0	736602-86-1	736602-87-2
736602-88-3	736602-89-4	736602-90-7	736602-91-8	736602-92-9
736602-93-0	736602-94-1	736602-95-2	736602-96-3	736602-97-4
736602-98-5	736602-99-6	736603-00-2	736603-01-3	736603-02-4
736603-03-5	736603-04-6	736603-05-7	736603-06-8	736603-07-9
736603-08-0	736603-09-1	736603-10-4	736603-11-5	736603-12-6
736603-13-7	736603-14-8	736603-15-9	736603-16-0	736603-17-1
736603-18-2	736603-19-3	736603-20-6	736603-21-7	736603-22-8
736603-23-9	736603-24-0	736603-25-1	736603-26-2	736603-27-3
736603-28-4	736603-29-5	736603-30-8	736603-31-9	736603-32-0
736603-33-1	736603-34-2	736603-35-3	736603-36-4	736603-37-5
736603-38-6	736603-39-7	736603-40-0	736603-41-1	736603-42-2
736603-43-3	736603-44-4	736603-45-5	736603-46-6	736603-47-7
736603-48-8	736603-49-9	736603-50-2	736603-51-3	736603-52-4
736603-53-5	736603-54-6	736603-55-7	736603-56-8	736603-57-9
736603-58-0	736603-59-1	736603-60-4	736603-61-5	736603-62-6
736603-63-7	736603-64-8	736603-65-9	736603-66-0	736603-67-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736603-68-2	736603-69-3	736603-70-6	736603-71-7	736603-72-8
	736603-73-9	736603-74-0	736603-75-1	736603-76-2	736603-77-3
	736603-78-4	736603-79-5	736603-80-8	736603-81-9	736603-82-0
	736603-83-1	736603-84-2	736603-85-3	736603-86-4	736603-87-5
	736603-88-6	736603-89-7	736603-90-0	736603-91-1	736603-92-2
	736603-93-3	736603-94-4	736603-95-5	736603-96-6	736603-97-7
	736603-98-8	736603-99-9	736604-00-5	736604-01-6	736604-02-7
	736604-03-8	736604-04-9	736604-05-0	736604-06-1	736604-07-2
	736604-08-3	736604-09-4	736604-10-7	736604-11-8	736604-12-9
	736604-13-0	736604-14-1	736604-15-2	736604-16-3	736604-17-4
	736604-18-5	736604-19-6	736604-20-9	736604-21-0	736604-22-1
	736604-23-2	736604-24-3	736604-25-4	736604-26-5	736604-27-6
	736604-28-7	736604-29-8	736604-30-1	736604-31-2	736604-32-3
	736604-33-4	736604-34-5	736604-35-6	736604-36-7	736604-37-8
	736604-38-9	736604-39-0	736604-40-3	736604-41-4	736604-42-5
	736604-43-6	736604-44-7	736604-45-8	736604-46-9	736604-47-0
	736604-48-1	736604-49-2	736604-50-5	736604-51-6	736604-52-7
	736604-53-8	736604-54-9	736604-55-0	736604-56-1	736604-57-2
	736604-58-3	736604-59-4	736604-60-7	736604-61-8	736604-62-9

736604-63-0	736604-64-1	736604-65-2	736604-66-3	736604-67-4
736604-68-5	736604-69-6	736604-70-9	736604-71-0	736604-72-1
736604-73-2	736604-74-3	736604-75-4	736604-76-5	736604-77-6
736604-78-7	736604-79-8	736604-80-1	736604-81-2	736604-82-3
736604-83-4	736604-84-5	736604-85-6	736604-86-7	736604-87-8
736604-88-9	736604-89-0	736604-90-3	736604-91-4	736604-92-5
736604-93-6	736604-94-7	736604-95-8	736604-96-9	736604-97-0
736604-98-1	736604-99-2	736605-00-8	736605-01-9	736605-02-0
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736605-08-6	736605-09-7	736605-10-0	736605-11-1	736605-12-2
736605-13-3	736605-14-4	736605-15-5	736605-16-6	736605-17-7
736605-18-8	736605-19-9	736605-20-2	736605-21-3	736605-22-4
736605-23-5	736605-24-6	736605-25-7	736605-26-8	736605-27-9
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736605-33-7	736605-34-8	736605-35-9	736605-36-0	736605-37-1
736605-38-2	736605-39-3	736605-40-6	736605-41-7	736605-42-8
736605-43-9	736605-44-0	736605-45-1	736605-46-2	736605-47-3
736605-48-4	736605-49-5	736605-50-8	736605-51-9	736605-52-0
736605-53-1	736605-54-2	736605-55-3	736605-56-4	736605-57-5
736605-58-6	736605-59-7	736605-60-0	736605-61-1	736605-62-2
736605-63-3	736605-64-4	736605-65-5	736605-66-6	736605-67-7
736605-68-8	736605-69-9	736605-70-2	736605-71-3	736605-72-4
736605-73-5	736605-74-6	736605-75-7	736605-76-8	736605-77-9
736605-78-0	736605-79-1	736605-80-4	736605-81-5	736605-82-6
736605-83-7	736605-84-8	736605-85-9	736605-86-0	736605-87-1
736605-88-2	736605-89-3	736605-90-6	736605-91-7	736605-92-8
736605-93-9	736605-94-0	736605-95-1	736605-96-2	736605-97-3
736605-98-4	736605-99-5	736606-00-1	736606-01-2	736606-02-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 736606-03-4	736606-04-5	736606-05-6	736606-06-7	736606-07-8
736606-08-9	736606-09-0	736606-10-3	736606-11-4	736606-12-5
736606-13-6	736606-14-7	736606-15-8	736606-16-9	736606-17-0
736606-18-1	736606-19-2	736606-20-5	736606-21-6	736606-22-7
736606-23-8	736606-24-9	736606-25-0	736606-26-1	736606-27-2
736606-28-3	736606-29-4	736606-30-7	736606-31-8	736606-32-9
736606-33-0	736606-34-1	736606-35-2	736606-36-3	736606-37-4
736606-38-5	736606-39-6	736606-40-9	736606-41-0	736606-42-1
736606-43-2	736606-44-3	736606-45-4	736606-46-5	736606-47-6
736606-48-7	736606-49-8	736606-50-1	736606-51-2	736606-52-3
736606-53-4	736606-54-5	736606-55-6	736606-56-7	736606-57-8
736606-58-9	736606-59-0	736606-60-3	736606-61-4	736606-62-5
736606-63-6	736606-64-7	736606-65-8	736606-66-9	736606-67-0
736606-68-1	736606-69-2	736606-70-5	736606-71-6	736606-72-7
736606-73-8	736606-74-9	736606-75-0	736606-76-1	736606-77-2
736606-78-3	736606-79-4	736606-80-7	736606-81-8	736606-82-9
736606-83-0	736606-84-1	736606-85-2	736606-86-3	736606-87-4
736606-88-5	736606-89-6	736606-90-9	736606-91-0	736606-92-1
736606-93-2	736606-94-3	736606-95-4	736606-96-5	736606-97-6
736606-98-7	736606-99-8	736607-00-4	736607-01-5	736607-02-6
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736607-08-2	736607-09-3	736607-10-6	736607-11-7	736607-12-8
736607-13-9	736607-14-0	736607-15-1	736607-16-2	736607-17-3
736607-18-4	736607-19-5	736607-20-8	736607-21-9	736607-22-0
736607-23-1	736607-24-2	736607-25-3	736607-26-4	736607-27-5
736607-28-6	736607-29-7	736607-30-0	736607-31-1	736607-32-2
736607-33-3	736607-34-4	736607-35-5	736607-36-6	736607-37-7
736607-38-8	736607-39-9	736607-40-2	736607-41-3	736607-42-4
736607-43-5	736607-44-6	736607-45-7	736607-46-8	736607-47-9
736607-48-0	736607-49-1	736607-50-4	736607-51-5	736607-52-6
736607-53-7	736607-54-8	736607-55-9	736607-56-0	736607-57-1
736607-58-2	736607-59-3	736607-60-6	736607-61-7	736607-62-8
736607-63-9	736607-64-0	736607-65-1	736607-66-2	736607-67-3
736607-68-4	736607-69-5	736607-70-8	736607-71-9	736607-72-0

736607-73-1	736607-74-2	736607-75-3	736607-76-4	736607-77-5
736607-78-6	736607-79-7	736607-80-0	736607-81-1	736607-82-2
736607-83-3	736607-84-4	736607-85-5	736607-86-6	736607-87-7
736607-88-8	736607-89-9	736607-90-2	736607-91-3	736607-92-4
736607-93-5	736607-94-6	736607-95-7	736607-96-8	736607-97-9
736607-98-0	736607-99-1	736608-00-7	736608-01-8	736608-02-9
736608-03-0	736608-04-1	736608-05-2	736608-06-3	736608-07-4
736608-08-5	736608-09-6	736608-10-9	736608-11-0	736608-12-1
736608-13-2	736608-14-3	736608-15-4	736608-16-5	736608-17-6
736608-18-7	736608-19-8	736608-20-1	736608-21-2	736608-22-3
736608-23-4	736608-24-5	736608-25-6	736608-26-7	736608-27-8
736608-28-9	736608-29-0	736608-30-3	736608-31-4	736608-32-5
736608-33-6	736608-34-7	736608-35-8	736608-36-9	736608-37-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736608-38-1	736608-39-2	736608-40-5	736608-41-6	736608-42-7
	736608-43-8	736608-44-9	736608-45-0	736608-46-1	736608-47-2
	736608-48-3	736608-49-4	736608-50-7	736608-51-8	736608-52-9
	736608-53-0	736608-54-1	736608-55-2	736608-56-3	736608-57-4
	736608-58-5	736608-59-6	736608-60-9	736608-61-0	736608-62-1
	736608-63-2	736608-64-3	736608-65-4	736608-66-5	736608-67-6
	736608-68-7	736608-69-8	736608-70-1	736608-71-2	736608-72-3
	736608-73-4	736608-74-5	736608-75-6	736608-76-7	736608-77-8
	736608-78-9	736608-79-0	736608-80-3	736608-81-4	736608-82-5
	736608-83-6	736608-84-7	736608-85-8	736608-86-9	736608-87-0
	736608-88-1	736608-89-2	736608-90-5	736608-91-6	736608-92-7
	736608-93-8	736608-94-9	736608-95-0	736608-96-1	736608-97-2
	736608-98-3	736608-99-4	736609-00-0	736609-01-1	736609-02-2
	736609-03-3	736609-04-4	736609-05-5	736609-06-6	736609-07-7
	736609-08-8	736609-09-9	736609-10-2	736609-11-3	736609-12-4
	736609-13-5	736609-14-6	736609-15-7	736609-16-8	736609-17-9
	736609-18-0	736609-19-1	736609-20-4	736609-21-5	736609-22-6
	736609-23-7	736609-24-8	736609-25-9	736609-26-0	736609-27-1
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	736609-33-9	736609-34-0	736609-35-1	736609-36-2	736609-37-3
	736609-38-4	736609-39-5	736609-40-8	736609-41-9	736609-42-0
	736609-43-1	736609-44-2	736609-45-3	736609-46-4	736609-47-5
	736609-48-6	736609-49-7	736609-50-0	736609-51-1	736609-52-2
	736609-53-3	736609-54-4	736609-55-5	736609-56-6	736609-57-7
	736609-58-8	736609-59-9	736609-60-2	736609-61-3	736609-62-4
	736609-63-5	736609-64-6	736609-65-7	736609-66-8	736609-67-9
	736609-68-0	736609-69-1	736609-70-4	736609-71-5	736609-72-6
	736609-73-7	736609-74-8	736609-75-9	736609-76-0	736609-77-1
	736609-78-2	736609-79-3	736609-80-6	736609-81-7	736609-82-8
	736609-83-9	736609-84-0	736609-85-1	736609-86-2	736609-87-3
	736609-88-4	736609-89-5	736609-90-8	736609-91-9	736609-92-0
	736609-93-1	736609-94-2	736609-95-3	736609-96-4	736609-97-5
	736609-98-6	736609-99-7	736610-00-7	736610-01-8	736610-02-9
	736610-03-0	736610-04-1	736610-05-2	736610-06-3	736610-07-4
	736610-08-5	736610-09-6	736610-10-9	736610-11-0	736610-12-1
	736610-13-2	736610-14-3	736610-15-4	736610-16-5	736610-17-6
	736610-18-7	736610-19-8	736610-20-1	736610-21-2	736610-22-3
	736610-23-4	736610-24-5	736610-25-6	736610-26-7	736610-27-8
	736610-28-9	736610-29-0	736610-30-3	736610-31-4	736610-32-5
	736610-33-6	736610-34-7	736610-35-8	736610-36-9	736610-37-0
	736610-38-1	736610-39-2	736610-40-5	736610-41-6	736610-42-7
	736610-43-8	736610-44-9	736610-45-0	736610-46-1	736610-47-2
	736610-48-3	736610-49-4	736610-50-7	736610-51-8	736610-52-9
	736610-53-0	736610-54-1	736610-55-2	736610-56-3	736610-57-4
	736610-58-5	736610-59-6	736610-60-9	736610-61-0	736610-62-1
	736610-63-2	736610-64-3	736610-65-4	736610-66-5	736610-67-6
	736610-68-7	736610-69-8	736610-70-1	736610-71-2	736610-72-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736610-73-4	736610-74-5	736610-75-6	736610-76-7	736610-77-8
	736610-78-9	736610-79-0	736610-80-3	736610-81-4	736610-82-5
	736610-83-6	736610-84-7	736610-85-8	736610-86-9	736610-87-0
	736610-88-1	736610-89-2	736610-90-5	736610-91-6	736610-92-7
	736610-93-8	736610-94-9	736610-95-0	736610-96-1	736610-97-2
	736610-98-3	736610-99-4	736611-00-0	736611-01-1	736611-02-2
	736611-03-3	736611-04-4	736611-05-5	736611-06-6	736611-07-7
	736611-08-8	736611-09-9	736611-10-2	736611-11-3	736611-12-4
	736611-13-5	736611-14-6	736611-15-7	736611-16-8	736611-17-9
	736611-18-0	736611-19-1	736611-20-4	736611-21-5	736611-22-6
	736611-23-7	736611-24-8	736611-25-9	736611-26-0	736611-27-1
	736611-28-2	736611-29-3	736611-30-6	736611-31-7	736611-32-8
	736611-33-9	736611-34-0	736611-35-1	736611-36-2	736611-37-3
	736611-38-4	736611-39-5	736611-40-8	736611-41-9	736611-42-0
	736611-43-1	736611-44-2	736611-45-3	736611-46-4	736611-47-5
	736611-48-6	736611-49-7	736611-50-0	736611-51-1	736611-52-2
	736611-53-3	736611-54-4	736611-55-5	736611-56-6	736611-57-7
	736611-58-8	736611-59-9	736611-60-2	736611-61-3	736611-62-4
	736611-63-5	736611-64-6	736611-65-7	736611-66-8	736611-67-9
	736611-68-0	736611-69-1	736611-70-4	736611-71-5	736611-72-6
	736611-73-7	736611-74-8	736611-75-9	736611-76-0	736611-77-1
	736611-78-2	736611-79-3	736611-80-6	736611-81-7	736611-82-8
	736611-83-9	736611-84-0	736611-85-1	736611-86-2	736611-87-3
	736611-88-4	736611-89-5	736611-90-8	736611-91-9	736611-92-0
	736611-93-1	736611-94-2	736611-95-3	736611-96-4	736611-97-5
	736611-98-6	736611-99-7	736612-00-3	736612-01-4	736612-02-5
	736612-03-6	736612-04-7	736612-05-8	736612-06-9	736612-07-0
	736612-08-1	736612-09-2	736612-10-5	736612-11-6	736612-12-7
	736612-13-8	736612-14-9	736612-15-0	736612-16-1	736612-17-2
	736612-18-3	736612-19-4	736612-20-7	736612-21-8	736612-22-9
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	736612-28-5	736612-29-6	736612-30-9	736612-31-0	736612-32-1
	736612-33-2	736612-34-3	736612-35-4	736612-36-5	736612-37-6
	736612-38-7	736612-39-8	736612-40-1	736612-41-2	736612-42-3
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	736612-48-9	736612-49-0	736612-50-3	736612-51-4	736612-52-5
	736612-53-6	736612-54-7	736612-55-8	736612-56-9	736612-57-0
	736612-58-1	736612-59-2	736612-60-5	736612-61-6	736612-62-7
	736612-63-8	736612-64-9	736612-65-0	736612-66-1	736612-67-2
	736612-68-3	736612-69-4	736612-70-7	<b>736612-71-8</b>	
	736612-72-9	736612-73-0	736612-74-1	736612-75-2	736612-76-3
	736612-77-4	736612-78-5	736612-79-6	736612-80-9	736612-81-0
	736612-82-1	736612-83-2	736612-84-3	736612-85-4	736612-86-5
	736612-87-6	736612-88-7	736612-89-8	736612-90-1	736612-91-2
	736612-92-3	736612-93-4	736612-94-5	736612-95-6	736612-96-7
	736612-97-8	736612-98-9	736612-99-0	736613-00-6	736613-01-7
	736613-02-8	736613-03-9	736613-04-0	736613-05-1	736613-06-2
	736613-07-3				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736613-08-4	736613-09-5	736613-10-8	736613-11-9	736613-12-0
	736613-13-1	736613-14-2	736613-15-3	736613-16-4	736613-17-5
	736613-18-6	736613-19-7	736613-20-0	736613-21-1	736613-22-2
	736613-23-3	736613-24-4	736613-25-5	736613-26-6	736613-27-7
	736613-28-8	736613-29-9	736613-30-2	736613-31-3	736613-32-4
	736613-33-5	736613-34-6	736613-35-7	736613-36-8	736613-37-9
	736613-38-0	736613-39-1	736613-40-4	736613-41-5	736613-42-6
	736613-43-7	736613-44-8	736613-45-9	736613-46-0	736613-47-1
	736613-48-2	736613-49-3	736613-50-6	736613-51-7	736613-52-8
	736613-53-9	736613-54-0	736613-55-1	736613-56-2	736613-57-3
	736613-58-4	736613-59-5	736613-60-8	736613-61-9	736613-62-0
	736613-63-1	736613-64-2	736613-65-3	736613-66-4	736613-67-5

736613-68-6	736613-69-7	736613-70-0	736613-71-1	736613-72-2
736613-73-3	736613-74-4	736613-75-5	736613-76-6	736613-77-7
736613-78-8	736613-79-9	736613-80-2	736613-81-3	736613-82-4
736613-83-5	736613-84-6	736613-85-7	736613-86-8	736613-87-9
736613-88-0	736613-89-1	736613-90-4	736613-91-5	736613-92-6
736613-93-7	736613-94-8	736613-95-9	736613-96-0	736613-97-1
736613-98-2	736613-99-3	736614-00-9	736614-01-0	736614-02-1
736614-03-2	736614-04-3	736614-05-4	736614-06-5	736614-07-6
736614-08-7	736614-09-8	736614-10-1	736614-11-2	736614-12-3
736614-13-4	736614-14-5	736614-15-6	736614-16-7	736614-17-8
736614-18-9	736614-19-0	736614-20-3	736614-21-4	736614-22-5
736614-23-6	736614-24-7	736614-25-8	736614-26-9	736614-27-0
736614-28-1	736614-29-2	736614-30-5	736614-31-6	736614-32-7
736614-33-8	736614-34-9	736614-35-0	736614-36-1	736614-37-2
736614-38-3	736614-39-4	736614-40-7	736614-41-8	736614-42-9
736614-43-0	736614-44-1	736614-45-2	736614-46-3	736614-47-4
736614-48-5	736614-49-6	736614-50-9	736614-51-0	736614-52-1
736614-53-2	736614-54-3	736614-55-4	736614-56-5	736614-57-6
736614-58-7	736614-59-8	736614-60-1	736614-61-2	736614-62-3
736614-63-4	736614-64-5	736614-65-6	736614-66-7	736614-67-8
736614-68-9	736614-69-0	736614-70-3	736614-71-4	736614-72-5
736614-73-6	736614-74-7	736614-75-8	736614-76-9	736614-77-0
736614-78-1	736614-79-2	736614-80-5	736614-81-6	736614-82-7
736614-83-8	736614-84-9	736614-85-0	736614-86-1	736614-87-2
736614-88-3	736614-89-4	736614-90-7	736614-91-8	736614-92-9
736614-93-0	736614-94-1	736614-95-2	736614-96-3	736614-97-4
736614-98-5	736614-99-6	736615-00-2	736615-01-3	736615-02-4
736615-03-5	736615-04-6	736615-05-7	736615-06-8	736615-07-9
736615-08-0	736615-09-1	736615-10-4	736615-11-5	736615-12-6
736615-13-7	736615-14-8	736615-15-9	736615-16-0	736615-17-1
736615-18-2	736615-19-3	736615-20-6	736615-21-7	736615-22-8
736615-23-9	736615-24-0	736615-25-1	736615-26-2	736615-27-3
736615-28-4	736615-29-5	736615-30-8	736615-31-9	736615-32-0
736615-33-1	736615-34-2	736615-35-3	736615-36-4	736615-37-5
736615-38-6	736615-39-7	736615-40-0	736615-41-1	736615-42-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 736615-43-3	736615-44-4	736615-45-5	736615-46-6	736615-47-7
736615-48-8	736615-49-9	736615-50-2	736615-51-3	736615-52-4
736615-53-5	736615-54-6	736615-55-7	736615-56-8	736615-57-9
736615-58-0	736615-59-1	736615-60-4	736615-61-5	736615-62-6
736615-63-7	736615-64-8	736615-65-9	736615-66-0	736615-67-1
736615-68-2	736615-69-3	736615-70-6	736615-71-7	736615-72-8
736615-73-9	736615-74-0	736615-75-1	736615-76-2	736615-77-3
736615-78-4	736615-79-5	736615-80-8	736615-81-9	736615-82-0
736615-83-1	736615-84-2	736615-85-3	736615-86-4	736615-87-5
736615-88-6	736615-89-7	736615-90-0	736615-91-1	736615-92-2
736615-93-3	736615-94-4	736615-95-5	736615-96-6	736615-97-7
736615-98-8	736615-99-9	736616-00-5	736616-01-6	736616-02-7
736616-03-8	736616-04-9	736616-05-0	736616-06-1	736616-07-2
736616-08-3	736616-09-4	736616-10-7	736616-11-8	736616-12-9
736616-13-0	736616-14-1	736616-15-2	736616-16-3	736616-17-4
736616-18-5	736616-19-6	736616-20-9	736616-21-0	736616-22-1
736616-23-2	736616-24-3	736616-25-4	736616-26-5	736616-27-6
736616-28-7	736616-29-8	736616-30-1	736616-31-2	736616-32-3
736616-33-4	736616-34-5	736616-35-6	736616-36-7	736616-37-8
736616-38-9	736616-39-0	736616-40-3	736616-41-4	736616-42-5
736616-43-6	736616-44-7	736616-45-8	736616-46-9	736616-47-0
736616-48-1	736616-49-2	736616-50-5	736616-51-6	736616-52-7
736616-53-8	736616-54-9	736616-55-0	736616-56-1	736616-57-2
736616-58-3	736616-59-4	736616-60-7	736616-61-8	736616-62-9
736616-63-0	736616-64-1	736616-65-2	736616-66-3	736616-67-4
736616-68-5	736616-69-6	736616-70-9	736616-71-0	736616-72-1
736616-73-2	736616-74-3	736616-75-4	736616-76-5	736616-77-6

736616-78-7	736616-79-8	736616-80-1	736616-81-2	736616-82-3
736616-83-4	736616-84-5	736616-85-6	736616-86-7	736616-87-8
736616-88-9	736616-89-0	736616-90-3	736616-91-4	736616-92-5
736616-93-6	736616-94-7	736616-95-8	736616-96-9	736616-97-0
736616-98-1	736616-99-2	736617-00-8	736617-01-9	736617-02-0
736617-03-1	736617-04-2	736617-05-3	736617-06-4	736617-07-5
736617-08-6	736617-09-7	736617-10-0	736617-11-1	736617-12-2
736617-13-3	736617-14-4	736617-15-5	736617-16-6	736617-17-7
736617-18-8	736617-19-9	736617-20-2	736617-21-3	736617-22-4
736617-23-5	736617-24-6	736617-25-7	736617-26-8	736617-27-9
736617-28-0	736617-29-1	736617-30-4	736617-31-5	736617-32-6
736617-33-7	736617-34-8	736617-35-9	736617-36-0	736617-37-1
736617-38-2	736617-39-3	736617-40-6	736617-41-7	736617-42-8
736617-43-9	736617-44-0	736617-45-1	736617-46-2	736617-47-3
736617-48-4	736617-49-5	736617-50-8	736617-51-9	736617-52-0
736617-53-1	736617-54-2	736617-55-3	736617-56-4	736617-57-5
736617-58-6	736617-59-7	736617-60-0	736617-61-1	736617-62-2
736617-63-3	736617-64-4	736617-65-5	736617-66-6	736617-67-7
736617-68-8	736617-69-9	736617-70-2	736617-71-3	736617-72-4
736617-73-5	736617-74-6	736617-75-7	736617-76-8	736617-77-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736617-78-0	736617-79-1	736617-80-4	736617-81-5	736617-82-6
	736617-83-7	736617-84-8	736617-85-9	736617-86-0	736617-87-1
	736617-88-2	736617-89-3	736617-90-6	736617-91-7	736617-92-8
	736617-93-9	736617-94-0	736617-95-1	736617-96-2	736617-97-3
	736617-98-4	736617-99-5	736618-00-1	736618-01-2	736618-02-3
	736618-03-4	736618-04-5	736618-05-6	736618-06-7	736618-07-8
	736618-08-9	736618-09-0	736618-10-3	736618-11-4	736618-12-5
	736618-13-6	736618-14-7	736618-15-8	736618-16-9	736618-17-0
	736618-18-1	736618-19-2	736618-20-5	736618-21-6	736618-22-7
	736618-23-8	736618-24-9	736618-25-0	736618-26-1	736618-27-2
	736618-28-3	736618-29-4	736618-30-7	736618-31-8	736618-32-9
	736618-33-0	736618-34-1	736618-35-2	736618-36-3	736618-37-4
	736618-38-5	736618-39-6	736618-40-9	736618-41-0	736618-42-1
	736618-43-2	736618-44-3	736618-45-4	736618-46-5	736618-47-6
	736618-48-7	736618-49-8	736618-50-1	736618-51-2	736618-52-3
	736618-53-4	736618-54-5	736618-55-6	736618-56-7	736618-57-8
	736618-58-9	736618-59-0	736618-60-3	736618-61-4	736618-62-5
	736618-63-6	736618-64-7	736618-65-8	736618-66-9	736618-67-0
	736618-68-1	736618-69-2	736618-70-5	736618-71-6	736618-72-7
	736618-73-8	736618-74-9	736618-75-0	736618-76-1	736618-77-2
	736618-78-3	736618-79-4	736618-80-7	736618-81-8	736618-82-9
	736618-83-0	736618-84-1	736618-85-2	736618-86-3	736618-87-4
	736618-88-5	736618-89-6	736618-90-9	736618-91-0	736618-92-1
	736618-93-2	736618-94-3	736618-95-4	736618-96-5	736618-97-6
	736618-98-7	736618-99-8	736619-00-4	736619-01-5	736619-02-6
	736619-03-7	736619-04-8	736619-05-9	736619-06-0	736619-07-1
	736619-08-2	736619-09-3	736619-10-6	736619-11-7	736619-12-8
	736619-13-9	736619-14-0	736619-15-1	736619-16-2	736619-17-3
	736619-18-4	736619-19-5	736619-20-8	736619-21-9	736619-22-0
	736619-23-1	736619-24-2	736619-25-3	736619-26-4	736619-27-5
	736619-28-6	736619-29-7	736619-30-0	736619-31-1	736619-32-2
	736619-33-3	736619-34-4	736619-35-5	736619-36-6	736619-37-7
	736619-38-8	736619-39-9	736619-40-2	736619-41-3	736619-42-4
	736619-43-5	736619-44-6	736619-45-7	736619-46-8	736619-47-9
	736619-48-0	736619-49-1	736619-50-4	736619-51-5	736619-52-6
	736619-53-7	736619-54-8	736619-55-9	736619-56-0	736619-57-1
	736619-58-2	736619-59-3	736619-60-6	736619-61-7	736619-62-8
	736619-63-9	736619-64-0	736619-65-1	736619-66-2	736619-67-3
	736619-68-4	736619-69-5	736619-70-8	736619-71-9	736619-72-0
	736619-73-1	736619-74-2	736619-75-3	736619-76-4	736619-77-5
	736619-78-6	736619-79-7	736619-80-0	736619-81-1	736619-82-2
	736619-83-3	736619-84-4	736619-85-5	736619-86-6	736619-87-7

736619-88-8	736619-89-9	736619-90-2	736619-91-3	736619-92-4
736619-93-5	736619-94-6	736619-95-7	736619-96-8	736619-97-9
736619-98-0	736619-99-1	736620-00-1	736620-01-2	736620-02-3
736620-03-4	736620-04-5	736620-05-6	736620-06-7	736620-07-8
736620-08-9	736620-09-0	736620-10-3	736620-11-4	736620-12-5

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736620-13-6	736620-14-7	736620-15-8	736620-16-9	736620-17-0
	736620-18-1	736620-19-2	736620-20-5	736620-21-6	736620-22-7
	736620-23-8	736620-24-9	736620-25-0	736620-26-1	736620-27-2
	736620-28-3	736620-29-4	736620-30-7	736620-31-8	736620-32-9
	736620-33-0	736620-34-1	736620-35-2	736620-36-3	736620-37-4
	736620-38-5	736620-39-6	736620-40-9	736620-41-0	736620-42-1
	736620-43-2	736620-44-3	736620-45-4	736620-46-5	736620-47-6
	736620-48-7	736620-49-8	736620-50-1	736620-51-2	736620-52-3
	736620-53-4	736620-54-5	736620-55-6	736620-56-7	736620-57-8
	736620-58-9	736620-59-0	736620-60-3	736620-61-4	736620-62-5
	736620-63-6	736620-64-7	736620-65-8	736620-66-9	736620-67-0
	736620-68-1	736620-69-2	736620-70-5	736620-71-6	736620-72-7
	736620-73-8	736620-74-9	736620-75-0	736620-76-1	736620-77-2
	736620-78-3	736620-79-4	736620-80-7	736620-81-8	736620-82-9
	736620-83-0	736620-84-1	736620-85-2	736620-86-3	736620-87-4
	736620-88-5	736620-89-6	736620-90-9	736620-91-0	736620-92-1
	736620-93-2	736620-94-3	736620-95-4	736620-96-5	736620-97-6
	736620-98-7	736620-99-8	736621-00-4	736621-01-5	736621-02-6
	736621-03-7	736621-04-8	736621-05-9	736621-06-0	736621-07-1
	736621-08-2	736621-09-3	736621-10-6	736621-11-7	736621-12-8
	736621-13-9	736621-14-0	736621-15-1	736621-16-2	736621-17-3
	736621-18-4	736621-19-5	736621-20-8	736621-21-9	736621-22-0
	736621-23-1	736621-24-2	736621-25-3	736621-26-4	736621-27-5
	736621-28-6	736621-29-7	736621-30-0	736621-31-1	736621-32-2
	736621-33-3	736621-34-4	736621-35-5	736621-36-6	736621-37-7
	736621-38-8	736621-39-9	736621-40-2	736621-41-3	736621-42-4
	736621-43-5	736621-44-6	736621-45-7	736621-46-8	736621-47-9
	736621-48-0	736621-49-1	736621-50-4	736621-51-5	736621-52-6
	736621-53-7	736621-54-8	736621-55-9	736621-56-0	736621-57-1
	736621-58-2	736621-59-3	736621-60-6	736621-61-7	736621-62-8
	736621-63-9	736621-64-0	736621-65-1	736621-66-2	736621-67-3
	736621-68-4	736621-69-5	736621-70-8	736621-71-9	736621-72-0
	736621-73-1	736621-74-2	736621-75-3	736621-76-4	736621-77-5
	736621-78-6	736621-79-7	736621-80-0	736621-81-1	736621-82-2
	736621-83-3	736621-84-4	736621-85-5	736621-86-6	736621-87-7
	736621-88-8	736621-89-9	736621-90-2	736621-91-3	736621-92-4
	736621-93-5	736621-94-6	736621-95-7	736621-96-8	736621-97-9
	736621-98-0	736621-99-1	736622-00-7	736622-01-8	736622-02-9
	736622-03-0	736622-04-1	736622-05-2	736622-06-3	736622-07-4
	736622-08-5	736622-09-6	736622-10-9	736622-11-0	736622-12-1
	736622-13-2	736622-14-3	736622-15-4	736622-16-5	736622-17-6
	736622-18-7	736622-19-8	736622-20-1	736622-21-2	736622-22-3
	736622-23-4	736622-24-5	736622-25-6	736622-26-7	736622-27-8
	736622-28-9	736622-29-0	736622-30-3	736622-31-4	736622-32-5
	736622-33-6	736622-34-7	736622-35-8	736622-36-9	736622-37-0
	736622-38-1	736622-39-2	736622-40-5	736622-41-6	736622-42-7
	736622-43-8	736622-44-9	736622-45-0	736622-46-1	736622-47-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736622-48-3	736622-49-4	736622-50-7	736622-51-8	736622-52-9
	736622-53-0	736622-54-1	736622-55-2	736622-56-3	736622-57-4
	736622-58-5	736622-59-6	736622-60-9	736622-61-0	736622-62-1
	736622-63-2	736622-64-3	736622-65-4	736622-66-5	736622-67-6
	736622-68-7	736622-69-8	736622-70-1	736622-71-2	736622-72-3
	736622-73-4	736622-74-5	736622-75-6	736622-76-7	736622-77-8

736622-78-9	736622-79-0	736622-80-3	736622-81-4	736622-82-5
736622-83-6	736622-84-7	736622-85-8	736622-86-9	736622-87-0
736622-88-1	736622-89-2	736622-90-5	736622-91-6	736622-92-7
736622-93-8	736622-94-9	736622-95-0	736622-96-1	736622-97-2
736622-98-3	736622-99-4	736623-00-0	736623-01-1	736623-02-2
736623-03-3	736623-04-4	736623-05-5	736623-06-6	736623-07-7
736623-08-8	736623-09-9	736623-10-2	736623-11-3	736623-12-4
736623-13-5	736623-14-6	736623-15-7	736623-16-8	736623-17-9
736623-18-0	736623-19-1	736623-20-4	736623-21-5	736623-22-6
736623-23-7	736623-24-8	736623-25-9	736623-26-0	736623-27-1
736623-28-2	736623-29-3	736623-30-6	736623-31-7	736623-32-8
736623-33-9	736623-34-0	736623-35-1	736623-36-2	736623-37-3
736623-38-4	736623-39-5	736623-40-8	736623-41-9	736623-42-0
736623-43-1	736623-44-2	736623-45-3	736623-46-4	736623-47-5
736623-48-6	736623-49-7	736623-50-0	736623-51-1	736623-52-2
736623-53-3	736623-54-4	736623-55-5	736623-56-6	736623-57-7
736623-58-8	736623-59-9	736623-60-2	736623-61-3	736623-62-4
736623-63-5	736623-64-6	736623-65-7	736623-66-8	736623-67-9
736623-68-0	736623-69-1	736623-70-4	736623-71-5	736623-72-6
736623-73-7	736623-74-8	736623-75-9	736623-76-0	736623-77-1
736623-78-2	736623-79-3	736623-80-6	736623-81-7	736623-82-8
736623-83-9	736623-84-0	736623-85-1	736623-86-2	736623-87-3
736623-88-4	736623-89-5	736623-90-8	736623-91-9	736623-92-0
736623-93-1	736623-94-2	736623-95-3	736623-96-4	736623-97-5
736623-98-6	736623-99-7	736624-00-3	736624-01-4	736624-02-5
736624-03-6	736624-04-7	736624-05-8	736624-06-9	736624-07-0
736624-08-1	736624-09-2	736624-10-5	736624-11-6	736624-12-7
736624-13-8	736624-14-9	736624-15-0	736624-16-1	736624-17-2
736624-18-3	736624-19-4	736624-20-7	736624-21-8	736624-22-9
736624-23-0	736624-24-1	736624-25-2	736624-26-3	736624-27-4
736624-28-5	736624-29-6	736624-30-9	736624-31-0	736624-32-1
736624-33-2	736624-34-3	736624-35-4	736624-36-5	736624-37-6
736624-38-7	736624-39-8	736624-40-1	736624-41-2	736624-42-3
736624-43-4	736624-44-5	736624-45-6	736624-46-7	736624-47-8
736624-48-9	736624-49-0	736624-50-3	736624-51-4	736624-52-5
736624-53-6	736624-54-7	736624-55-8	736624-56-9	736624-57-0
736624-58-1	736624-59-2	736624-60-5	736624-61-6	736624-62-7
736624-63-8	736624-64-9	736624-65-0	736624-66-1	736624-67-2
736624-68-3	736624-69-4	736624-70-7	736624-71-8	736624-72-9
736624-73-0	736624-74-1	736624-75-2	736624-76-3	736624-77-4
736624-78-5	736624-79-6	736624-80-9	736624-81-0	736624-82-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736624-83-2	736624-84-3	736624-85-4	736624-86-5	736624-87-6
	736624-88-7	736624-89-8	736624-90-1	736624-91-2	736624-92-3
	736624-93-4	736624-94-5	736624-95-6	736624-96-7	736624-97-8
	736624-98-9	736624-99-0	736625-00-6	736625-01-7	736625-02-8
	736625-03-9	736625-04-0	736625-05-1	736625-06-2	736625-07-3
	736625-08-4	736625-09-5	736625-10-8	736625-11-9	736625-12-0
	736625-13-1	736625-14-2	736625-15-3	736625-16-4	736625-17-5
	736625-18-6	736625-19-7	736625-20-0	736625-21-1	736625-22-2
	736625-23-3	736625-24-4	736625-25-5	736625-26-6	736625-27-7
	736625-28-8	736625-29-9	736625-30-2	736625-31-3	736625-32-4
	736625-33-5	736625-34-6	736625-35-7	736625-36-8	736625-37-9
	736625-38-0	736625-39-1	736625-40-4	736625-41-5	736625-42-6
	736625-43-7	736625-44-8	736625-45-9	736625-46-0	736625-47-1
	736625-48-2	736625-49-3	736625-50-6	736625-51-7	736625-52-8
	736625-53-9	736625-54-0	736625-55-1	736625-56-2	736625-57-3
	736625-58-4	736625-59-5	736625-60-8	736625-61-9	736625-62-0
	736625-63-1	736625-64-2	736625-65-3	736625-66-4	736625-67-5
	736625-68-6	736625-69-7	736625-70-0	736625-71-1	736625-72-2
	736625-73-3	736625-74-4	736625-75-5	736625-76-6	736625-77-7
	736625-78-8	736625-79-9	736625-80-2	736625-81-3	736625-82-4
	736625-83-5	736625-84-6	736625-85-7	736625-86-8	736625-87-9

736625-88-0	736625-89-1	736625-90-4	736625-91-5	736625-92-6
736625-93-7	736625-94-8	736625-95-9	736625-96-0	736625-97-1
736625-98-2	736625-99-3	736626-00-9	736626-01-0	736626-02-1
736626-03-2	736626-04-3	736626-05-4	736626-06-5	736626-07-6
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736626-13-4	736626-14-5	736626-15-6	736626-16-7	736626-17-8
736626-18-9	736626-19-0	736626-20-3	736626-21-4	736626-22-5
736626-23-6	736626-24-7	736626-25-8	736626-26-9	736626-27-0
736626-28-1	736626-29-2	736626-30-5	736626-31-6	736626-32-7
736626-33-8	736626-34-9	736626-35-0	736626-36-1	736626-37-2
736626-38-3	736626-39-4	736626-40-7	736626-41-8	736626-42-9
736626-43-0	736626-44-1	736626-45-2	736626-46-3	736626-47-4
736626-48-5	736626-49-6	736626-50-9	736626-51-0	736626-52-1
736626-53-2	736626-54-3	736626-55-4	736626-56-5	736626-57-6
736626-58-7	736626-59-8	736626-60-1	736626-61-2	736626-62-3
736626-63-4	736626-64-5	736626-65-6	736626-66-7	736626-67-8
736626-68-9	736626-69-0	736626-70-3	736626-71-4	736626-72-5
736626-73-6	736626-74-7	736626-75-8	736626-76-9	736626-77-0
736626-78-1	736626-79-2	736626-80-5	736626-81-6	736626-82-7
736626-83-8	736626-84-9	736626-85-0	736626-86-1	736626-87-2
736626-88-3	736626-89-4	736626-90-7	736626-91-8	736626-92-9
736626-93-0	736626-94-1	736626-95-2	736626-96-3	736626-97-4
736626-98-5	736626-99-6	736627-00-2	736627-01-3	736627-02-4
736627-03-5	736627-04-6	736627-05-7	736627-06-8	736627-07-9
736627-08-0	736627-09-1	736627-10-4	736627-11-5	736627-12-6
736627-13-7	736627-14-8	736627-15-9	736627-16-0	736627-17-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736627-18-2	736627-19-3	736627-20-6	736627-21-7	736627-22-8
	736627-23-9	736627-24-0	736627-25-1	736627-26-2	736627-27-3
	736627-28-4	736627-29-5	736627-30-8	736627-31-9	736627-32-0
	736627-33-1	736627-34-2	736627-35-3	736627-36-4	736627-37-5
	736627-38-6	736627-39-7	736627-40-0	736627-41-1	736627-42-2
	736627-43-3	736627-44-4	736627-45-5	736627-46-6	736627-47-7
	736627-48-8	736627-49-9	736627-50-2	736627-51-3	736627-52-4
	736627-53-5	736627-54-6	736627-55-7	736627-56-8	736627-57-9
	736627-58-0	736627-59-1	736627-60-4	736627-61-5	736627-62-6
	736627-63-7	736627-64-8	736627-65-9	736627-66-0	736627-67-1
	736627-68-2	736627-69-3	736627-70-6	736627-71-7	736627-72-8
	736627-73-9	736627-74-0	736627-75-1	736627-76-2	736627-77-3
	736627-78-4	736627-79-5	736627-80-8	736627-81-9	736627-82-0
	736627-83-1	736627-84-2	736627-85-3	736627-86-4	736627-87-5
	736627-88-6	736627-89-7	736627-90-0	736627-91-1	736627-92-2
	736627-93-3	736627-94-4	736627-95-5	736627-96-6	736627-97-7
	736627-98-8	736627-99-9	736628-00-5	736628-01-6	736628-02-7
	736628-03-8	736628-04-9	736628-05-0	736628-06-1	736628-07-2
	736628-08-3	736628-09-4	736628-10-7	736628-11-8	736628-12-9
	736628-13-0	736628-14-1	736628-15-2	736628-16-3	736628-17-4
	736628-18-5	736628-19-6	736628-20-9	736628-21-0	736628-22-1
	736628-23-2	736628-24-3	736628-25-4	736628-26-5	736628-27-6
	736628-28-7	736628-29-8	736628-30-1	736628-31-2	736628-32-3
	736628-33-4	736628-34-5	736628-35-6	736628-36-7	736628-37-8
	736628-38-9	736628-39-0	736628-40-3	736628-41-4	736628-42-5
	736628-43-6	736628-44-7	736628-45-8	736628-46-9	736628-47-0
	736628-48-1	736628-49-2	736628-50-5	736628-51-6	736628-52-7
	736628-53-8	736628-54-9	736628-55-0	736628-56-1	736628-57-2
	736628-58-3	736628-59-4	736628-60-7	736628-61-8	736628-62-9
	736628-63-0	736628-64-1	736628-65-2	736628-66-3	736628-67-4
	736628-68-5	736628-69-6	736628-70-9	736628-71-0	736628-72-1
	736628-73-2	736628-74-3	736628-75-4	736628-76-5	736628-77-6
	736628-78-7	736628-79-8	736628-80-1	736628-81-2	736628-82-3
	736628-83-4	736628-84-5	736628-85-6	736628-86-7	736628-87-8
	736628-88-9	736628-89-0	736628-90-3	736628-91-4	736628-92-5
	736628-93-6	736628-94-7	736628-95-8	736628-96-9	736628-97-0

736628-98-1	736628-99-2	736629-00-8	736629-01-9	736629-02-0
736629-03-1	736629-04-2	736629-05-3	736629-06-4	736629-07-5
736629-08-6	736629-09-7	736629-10-0	736629-11-1	736629-12-2
736629-13-3	736629-14-4	736629-15-5	736629-16-6	736629-17-7
736629-18-8	736629-19-9	736629-20-2	736629-21-3	736629-22-4
736629-23-5	736629-24-6	736629-25-7	736629-26-8	736629-27-9
736629-28-0	736629-29-1	736629-30-4	736629-31-5	736629-32-6
736629-33-7	736629-34-8	736629-35-9	736629-36-0	736629-37-1
736629-38-2	736629-39-3	736629-40-6	736629-41-7	736629-42-8
736629-43-9	736629-44-0	736629-45-1	736629-46-2	736629-47-3
736629-48-4	736629-49-5	736629-50-8	736629-51-9	736629-52-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736629-53-1	736629-54-2	736629-55-3	736629-56-4	736629-57-5
	736629-58-6	736629-59-7	736629-60-0	736629-61-1	736629-62-2
	736629-63-3	736629-64-4	736629-65-5	736629-66-6	736629-67-7
	736629-68-8	736629-69-9	736629-70-2	736629-71-3	736629-72-4
	736629-73-5	736629-74-6	736629-75-7	736629-76-8	736629-77-9
	736629-78-0	736629-79-1	736629-80-4	736629-81-5	736629-82-6
	736629-83-7	736629-84-8	736629-85-9	736629-86-0	736629-87-1
	736629-88-2	736629-89-3	736629-90-6	736629-91-7	736629-92-8
	736629-93-9	736629-94-0	736629-95-1	736629-96-2	736629-97-3
	736629-98-4	736629-99-5	736630-00-5	736630-01-6	736630-02-7
	736630-03-8	736630-04-9	736630-05-0	736630-06-1	736630-07-2
	736630-08-3	736630-09-4	736630-10-7	736630-11-8	736630-12-9
	736630-13-0	736630-14-1	736630-15-2	736630-16-3	736630-17-4
	736630-18-5	736630-19-6	736630-20-9	736630-21-0	736630-22-1
	736630-23-2	736630-24-3	736630-25-4	736630-26-5	736630-27-6
	736630-28-7	736630-29-8	736630-30-1	736630-31-2	736630-32-3
	736630-33-4	736630-34-5	736630-35-6	736630-36-7	736630-37-8
	736630-38-9	736630-39-0	736630-40-3	736630-41-4	736630-42-5
	736630-43-6	736630-44-7	736630-45-8	736630-46-9	736630-47-0
	736630-48-1	736630-49-2	736630-50-5	736630-51-6	736630-52-7
	736630-53-8	736630-54-9	736630-55-0	736630-56-1	736630-57-2
	736630-58-3	736630-59-4	736630-60-7	736630-61-8	736630-62-9
	736630-63-0	736630-64-1	736630-65-2	736630-66-3	736630-67-4
	736630-68-5	736630-69-6	736630-70-9	736630-71-0	736630-72-1
	736630-73-2	736630-74-3	736630-75-4	736630-76-5	736630-77-6
	736630-78-7	736630-79-8	736630-80-1	736630-81-2	736630-82-3
	736630-83-4	736630-84-5	736630-85-6	736630-86-7	736630-87-8
	736630-88-9	736630-89-0	736630-90-3	736630-91-4	736630-92-5
	736630-93-6	736630-94-7	736630-95-8	736630-96-9	736630-97-0
	736630-98-1	736630-99-2	736631-00-8	736631-01-9	736631-02-0
	736631-03-1	736631-04-2	736631-05-3	736631-06-4	736631-07-5
	736631-08-6	736631-09-7	736631-10-0	736631-11-1	736631-12-2
	736631-13-3	736631-14-4	736631-15-5	736631-16-6	736631-17-7
	736631-18-8	736631-19-9	736631-20-2	736631-21-3	736631-22-4
	736631-23-5	736631-24-6	736631-25-7	736631-26-8	736631-27-9
	736631-28-0	736631-29-1	736631-30-4	736631-31-5	736631-32-6
	736631-33-7	736631-34-8	736631-35-9	736631-36-0	736631-37-1
	736631-38-2	736631-39-3	736631-40-6	736631-41-7	736631-42-8
	736631-43-9	736631-44-0	736631-45-1	736631-46-2	736631-47-3
	736631-48-4	736631-49-5	736631-50-8	736631-51-9	736631-52-0
	736631-53-1	736631-54-2	736631-55-3	736631-56-4	736631-57-5
	736631-58-6	736631-59-7	736631-60-0	736631-61-1	736631-62-2
	736631-63-3	736631-64-4	736631-65-5	736631-66-6	736631-67-7
	736631-68-8	736631-69-9	736631-70-2	736631-71-3	736631-72-4
	736631-73-5	736631-74-6	736631-75-7	736631-76-8	736631-77-9
	736631-78-0	736631-79-1	736631-80-4	736631-81-5	736631-82-6
	736631-83-7	736631-84-8	736631-85-9	736631-86-0	736631-87-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736631-88-2	736631-89-3	736631-90-6	736631-91-7	736631-92-8
	736631-93-9	736631-94-0	736631-95-1	736631-96-2	736631-97-3
	736631-98-4	736631-99-5	736632-00-1	736632-01-2	736632-02-3
	736632-03-4	736632-04-5	736632-05-6	736632-06-7	736632-07-8
	736632-08-9	736632-09-0	736632-10-3	736632-11-4	736632-12-5
	736632-13-6	736632-14-7	736632-15-8	736632-16-9	736632-17-0
	736632-18-1	736632-19-2	736632-20-5	736632-21-6	736632-22-7
	736632-23-8	736632-24-9	736632-25-0	736632-26-1	736632-27-2
	736632-28-3	736632-29-4	736632-30-7	736632-31-8	736632-32-9
	736632-33-0	736632-34-1	736632-35-2	736632-36-3	736632-37-4
	736632-38-5	736632-39-6	736632-40-9	736632-41-0	736632-42-1
	736632-43-2	736632-44-3	736632-45-4	736632-46-5	736632-47-6
	736632-48-7	736632-49-8	736632-50-1	736632-51-2	736632-52-3
	736632-53-4	736632-54-5	736632-55-6	736632-56-7	736632-57-8
	736632-58-9	736632-59-0	736632-60-3	736632-61-4	736632-62-5
	736632-63-6	736632-64-7	736632-65-8	736632-66-9	736632-67-0
	736632-68-1	736632-69-2	736632-70-5	736632-71-6	736632-72-7
	736632-73-8	736632-74-9	736632-75-0	736632-76-1	736632-77-2
	736632-78-3	736632-79-4	736632-80-7	736632-81-8	736632-82-9
	736632-83-0	736632-84-1	736632-85-2	736632-86-3	736632-87-4
	736632-88-5	736632-89-6	736632-90-9	736632-91-0	736632-92-1
	736632-93-2	736632-94-3	736632-95-4	736632-96-5	736632-97-6
	736632-98-7	736632-99-8	736633-00-4	736633-01-5	736633-02-6
	736633-03-7	736633-04-8	736633-05-9	736633-06-0	736633-07-1
	736633-08-2	736633-09-3	736633-10-6	736633-11-7	736633-12-8
	736633-13-9	736633-14-0	736633-15-1	736633-16-2	736633-17-3
	736633-18-4	736633-19-5	736633-20-8	736633-21-9	736633-22-0
	736633-23-1	736633-24-2	736633-25-3	736633-26-4	736633-27-5
	736633-28-6	736633-29-7	736633-30-0	736633-31-1	736633-32-2
	736633-33-3	736633-34-4	736633-35-5	736633-36-6	736633-37-7
	736633-38-8	736633-39-9	736633-40-2	736633-41-3	736633-42-4
	736633-43-5	736633-44-6	736633-45-7	736633-46-8	736633-47-9
	736633-48-0	736633-49-1	736633-50-4	736633-51-5	736633-52-6
	736633-53-7	736633-54-8	736633-55-9	736633-56-0	736633-57-1
	736633-58-2	736633-59-3	736633-60-6	736633-61-7	736633-62-8
	736633-63-9	736633-64-0	736633-65-1	736633-66-2	736633-67-3
	736633-68-4	736633-69-5	736633-70-8	736633-71-9	736633-72-0
	736633-73-1	736633-74-2	736633-75-3	736633-76-4	736633-77-5
	736633-78-6	736633-79-7	736633-80-0	736633-81-1	736633-82-2
	736633-83-3	736633-84-4	736633-85-5	736633-86-6	736633-87-7
	736633-88-8	736633-89-9	736633-90-2	736633-91-3	736633-92-4
	736633-93-5	736633-94-6	736633-95-7	736633-96-8	736633-97-9
	736633-98-0	736633-99-1	736634-00-7	736634-01-8	736634-02-9
	736634-03-0	736634-04-1	736634-05-2	736634-06-3	736634-07-4
	736634-08-5	736634-09-6	736634-10-9	736634-11-0	736634-12-1
	736634-13-2	736634-14-3	736634-15-4	736634-16-5	736634-17-6
	736634-18-7	736634-19-8	736634-20-1	736634-21-2	736634-22-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736634-23-4	736634-24-5	736634-25-6	736634-26-7	736634-27-8
	736634-28-9	736634-29-0	736634-30-3	736634-31-4	736634-32-5
	736634-33-6	736634-34-7	736634-35-8	736634-36-9	736634-37-0
	736634-38-1	736634-39-2	736634-40-5	736634-41-6	736634-42-7
	736634-43-8	736634-44-9	736634-45-0	736634-46-1	736634-47-2
	736634-48-3	736634-49-4	736634-50-7	736634-51-8	736634-52-9
	736634-53-0	736634-54-1	736634-55-2	736634-56-3	736634-57-4
	736634-58-5	736634-59-6	736634-60-9	736634-61-0	736634-62-1
	736634-63-2	736634-64-3	736634-65-4	736634-66-5	736634-67-6
	736634-68-7	736634-69-8	736634-70-1	736634-71-2	736634-72-3
	736634-73-4	736634-74-5	736634-75-6	736634-76-7	736634-77-8
	736634-78-9	736634-79-0	736634-80-3	736634-81-4	736634-82-5
	736634-83-6	736634-84-7	736634-85-8	736634-86-9	736634-87-0
	736634-88-1	736634-89-2	736634-90-5	736634-91-6	736634-92-7
	736634-93-8	736634-94-9	736634-95-0	736634-96-1	736634-97-2

736634-98-3	736634-99-4	736635-00-0	736635-01-1	736635-02-2
736635-03-3	736635-04-4	736635-05-5	736635-06-6	736635-07-7
736635-08-8	736635-09-9	736635-10-2	736635-11-3	736635-12-4
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736635-18-0	736635-19-1	736635-20-4	736635-21-5	736635-22-6
736635-23-7	736635-24-8	736635-25-9	736635-26-0	736635-27-1
736635-28-2	736635-29-3	736635-30-6	736635-31-7	736635-32-8
736635-33-9	736635-34-0	736635-35-1	736635-36-2	736635-37-3
736635-38-4	736635-39-5	736635-40-8	736635-41-9	736635-42-0
736635-43-1	736635-44-2	736635-45-3	736635-46-4	736635-47-5
736635-48-6	736635-49-7	736635-50-0	736635-51-1	736635-52-2
736635-53-3	736635-54-4	736635-55-5	736635-56-6	736635-57-7
736635-58-8	736635-59-9	736635-60-2	736635-61-3	736635-62-4
736635-63-5	736635-64-6	736635-65-7	736635-66-8	736635-67-9
736635-68-0	736635-69-1	736635-70-4	736635-71-5	736635-72-6
736635-73-7	736635-74-8	736635-75-9	736635-76-0	736635-77-1
736635-78-2	736635-79-3	736635-80-6	736635-81-7	736635-82-8
736635-83-9	736635-84-0	736635-85-1	736635-86-2	736635-87-3
736635-88-4	736635-89-5	736635-90-8	736635-91-9	736635-92-0
736635-93-1	736635-94-2	736635-95-3	736635-96-4	736635-97-5
736635-98-6	736635-99-7	736636-00-3	736636-01-4	736636-02-5
736636-03-6	736636-04-7	736636-05-8	736636-06-9	736636-07-0
736636-08-1	736636-09-2	736636-10-5	736636-11-6	736636-12-7
736636-13-8	736636-14-9	736636-15-0	736636-16-1	736636-17-2
736636-18-3	736636-19-4	736636-20-7	736636-21-8	736636-22-9
736636-23-0	736636-24-1	736636-25-2	736636-26-3	736636-27-4
736636-28-5	736636-29-6	736636-30-9	736636-31-0	736636-32-1
736636-33-2	736636-34-3	736636-35-4	736636-36-5	736636-37-6
736636-38-7	736636-39-8	736636-40-1	736636-41-2	736636-42-3
736636-43-4	736636-44-5	736636-45-6	736636-46-7	736636-47-8
736636-48-9	736636-49-0	736636-50-3	736636-51-4	736636-52-5
736636-53-6	736636-54-7	736636-55-8	736636-56-9	736636-57-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736636-58-1	736636-59-2	736636-60-5	736636-61-6	736636-62-7
	736636-63-8	736636-64-9	736636-65-0	736636-66-1	736636-67-2
	736636-68-3	736636-69-4	736636-70-7	736636-71-8	736636-72-9
	736636-73-0	736636-74-1	736636-75-2	736636-76-3	736636-77-4
	736636-78-5	736636-79-6	736636-80-9	736636-81-0	736636-82-1
	736636-83-2	736636-84-3	736636-85-4	736636-86-5	736636-87-6
	736636-88-7	736636-89-8	736636-90-1	736636-91-2	736636-92-3
	736636-93-4	736636-94-5	736636-95-6	736636-96-7	736636-97-8
	736636-98-9	736636-99-0	736637-00-6	736637-01-7	736637-02-8
	736637-03-9	736637-04-0	736637-05-1	736637-06-2	736637-07-3
	736637-08-4	736637-09-5	736637-10-8	736637-11-9	736637-12-0
	736637-13-1	736637-14-2	736637-15-3	736637-16-4	736637-17-5
	736637-18-6	736637-19-7	736637-20-0	736637-21-1	736637-22-2
	736637-23-3	736637-24-4	736637-25-5	736637-26-6	736637-27-7
	736637-28-8	736637-29-9	736637-30-2	736637-31-3	736637-32-4
	736637-33-5	736637-34-6	736637-35-7	736637-36-8	736637-37-9
	736637-38-0	736637-39-1	736637-40-4	736637-41-5	736637-42-6
	736637-43-7	736637-44-8	736637-45-9	736637-46-0	736637-47-1
	736637-48-2	736637-49-3	736637-50-6	736637-51-7	736637-52-8
	736637-53-9	736637-54-0	736637-55-1	736637-56-2	736637-57-3
	736637-58-4	736637-59-5	736637-60-8	736637-61-9	736637-62-0
	736637-63-1	736637-64-2	736637-65-3	736637-66-4	736637-67-5
	736637-68-6	736637-69-7	736637-70-0	736637-71-1	736637-72-2
	736637-73-3	736637-74-4	736637-75-5	736637-76-6	736637-77-7
	736637-78-8	736637-79-9	736637-80-2	736637-81-3	736637-82-4
	736637-83-5	736637-84-6	736637-85-7	736637-86-8	736637-87-9
	736637-88-0	736637-89-1	736637-90-4	736637-91-5	736637-92-6
	736637-93-7	736637-94-8	736637-95-9	736637-96-0	736637-97-1
	736637-98-2	736637-99-3	736638-00-9	736638-01-0	736638-02-1
	736638-03-2	736638-04-3	736638-05-4	736638-06-5	736638-07-6

736638-08-7	736638-09-8	736638-10-1	736638-11-2	736638-12-3
736638-13-4	736638-14-5	736638-15-6	736638-16-7	736638-17-8
736638-18-9	736638-19-0	736638-20-3	736638-21-4	736638-22-5
736638-23-6	736638-24-7	736638-25-8	736638-26-9	736638-27-0
736638-28-1	736638-29-2	736638-30-5	736638-31-6	736638-32-7
736638-33-8	736638-34-9	736638-35-0	736638-36-1	736638-37-2
736638-38-3	736638-39-4	736638-40-7	736638-41-8	736638-42-9
736638-43-0	736638-44-1	736638-45-2	736638-46-3	736638-47-4
736638-48-5	736638-49-6	736638-50-9	736638-51-0	736638-52-1
736638-53-2	736638-54-3	736638-55-4	736638-56-5	736638-57-6
736638-58-7	736638-59-8	736638-60-1	736638-61-2	736638-62-3
736638-63-4	736638-64-5	736638-65-6	736638-66-7	736638-67-8
736638-68-9	736638-69-0	736638-70-3	736638-71-4	736638-72-5
736638-73-6	736638-74-7	736638-75-8	736638-76-9	736638-77-0
736638-78-1	736638-79-2	736638-80-5	736638-81-6	736638-82-7
736638-83-8	736638-84-9	736638-85-0	736638-86-1	736638-87-2
736638-88-3	736638-89-4	736638-90-7	736638-91-8	736638-92-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 736638-93-0	736638-94-1	736638-95-2	736638-96-3	736638-97-4
736638-98-5	736638-99-6	736639-00-2	736639-01-3	736639-02-4
736639-03-5	736639-04-6	736639-05-7	736639-06-8	736639-07-9
736639-08-0	736639-09-1	736639-10-4	736639-11-5	736639-12-6
736639-13-7	736639-14-8	736639-15-9	736639-16-0	736639-17-1
736639-18-2	736639-19-3	736639-20-6	736639-21-7	736639-22-8
736639-23-9	736639-24-0	736639-25-1	736639-26-2	736639-27-3
736639-28-4	736639-29-5	736639-30-8	736639-31-9	736639-32-0
736639-33-1	736639-34-2	736639-35-3	736639-36-4	736639-37-5
736639-38-6	736639-39-7	736639-40-0	736639-41-1	736639-42-2
736639-43-3	736639-44-4	736639-45-5	736639-46-6	736639-47-7
736639-48-8	736639-49-9	736639-50-2	736639-51-3	736639-52-4
736639-53-5	736639-54-6	736639-55-7	736639-56-8	736639-57-9
736639-58-0	736639-59-1	736639-60-4	736639-61-5	736639-62-6
736639-63-7	736639-64-8	736639-65-9	736639-66-0	736639-67-1
736639-68-2	736639-69-3	736639-70-6	736639-71-7	736639-72-8
736639-73-9	736639-74-0	736639-75-1	736639-76-2	736639-77-3
736639-78-4	736639-79-5	736639-80-8	736639-81-9	736639-82-0
736639-83-1	736639-84-2	736639-85-3	736639-86-4	736639-87-5
736639-88-6	736639-89-7	736639-90-0	736639-91-1	736639-92-2
736639-93-3	736639-94-4	736639-95-5	736639-96-6	736639-97-7
736639-98-8	736639-99-9	736640-00-9	736640-01-0	736640-02-1
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736640-08-7	736640-09-8	736640-10-1	736640-11-2	736640-12-3
736640-13-4	736640-14-5	736640-15-6	736640-16-7	736640-17-8
736640-18-9	736640-19-0	736640-20-3	736640-21-4	736640-22-5
736640-23-6	736640-24-7	736640-25-8	736640-26-9	736640-27-0
736640-28-1	736640-29-2	736640-30-5	736640-31-6	736640-32-7
736640-33-8	736640-34-9	736640-35-0	736640-36-1	736640-37-2
736640-38-3	736640-39-4	736640-40-7	736640-41-8	736640-42-9
736640-43-0	736640-44-1	736640-45-2	736640-46-3	736640-47-4
736640-48-5	736640-49-6	736640-50-9	736640-51-0	736640-52-1
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736640-58-7	736640-59-8	736640-60-1	736640-61-2	736640-62-3
736640-63-4	736640-64-5	736640-65-6	736640-66-7	736640-67-8
736640-68-9	736640-69-0	736640-70-3	736640-71-4	736640-72-5
736640-73-6	736640-74-7	736640-75-8	736640-76-9	736640-77-0
736640-78-1	736640-79-2	736640-80-5	736640-81-6	736640-82-7
736640-83-8	736640-84-9	736640-85-0	736640-86-1	736640-87-2
736640-88-3	736640-89-4	736640-90-7	736640-91-8	736640-92-9
736640-93-0	736640-94-1	736640-95-2	736640-96-3	736640-97-4
736640-98-5	736640-99-6	736641-00-2	736641-01-3	736641-02-4
736641-03-5	736641-04-6	736641-05-7	736641-06-8	736641-07-9
736641-08-0	736641-09-1	736641-10-4	736641-11-5	736641-12-6
736641-13-7	736641-14-8	736641-15-9	736641-16-0	736641-17-1

736641-18-2 736641-19-3 736641-20-6 736641-21-7 736641-22-8  
 736641-23-9 736641-24-0 736641-25-1 736641-26-2 736641-27-3  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 736641-28-4 736641-29-5 736641-30-8 736641-31-9 736641-32-0  
 736641-33-1 736641-34-2 736641-35-3 736641-36-4 736641-37-5  
 736641-38-6 736641-39-7 736641-40-0 736641-41-1 736641-42-2  
 736641-43-3 736641-44-4 736641-45-5 736641-46-6 736641-47-7  
 736641-48-8 736641-49-9 736641-50-2 736641-51-3 736641-52-4  
 736641-53-5 736641-54-6 736641-55-7 736641-56-8 736641-57-9  
 736641-58-0 736641-59-1 736641-60-4 736641-61-5 736641-62-6  
 736641-63-7 736641-64-8 736641-65-9 736641-66-0 736641-67-1  
 736641-68-2 736641-69-3 736641-70-6 736641-71-7 736641-72-8  
 736641-73-9 736641-74-0 736641-75-1 736641-76-2 736641-77-3  
 736641-78-4 736641-79-5 736641-80-8 736641-81-9 736641-82-0  
 736641-83-1 736641-84-2 736641-85-3 736641-86-4  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT **736612-71-8**  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

RN 736612-71-8 HCAPLUS  
 CN Protein (Oryza sativa clone PAT\_MRT4530\_74762C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 SNPTRPVRRM LVFGLGLMFI QQATGVDCVL MYSPRVFXRA TLTRKSHWLA  
 51 ACMAVFRCKI LLILIALTXM DRVCQRPQQL ASGSWMGILL FTLATCLLMM  
 101 DRRPEGQANX SWRLKILSKL SFRAFFAFGL GPVPWV

L12 ANSWER 20 OF 522 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:663849 HCAPLUS  
 DN 141:186004  
 ED Entered STN: 16 Aug 2004  
 TI Rice nucleic acid molecules and encoded proteins and their uses for plant improvement  
 IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei; Boukharov, Andrey A.; Barbazuk, Brad W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC A01H001-00; C12N015-82; C07H021-04; C12N009-24; C12N005-04  
 INCL 800278000; 435069100; 435200000; 435201000; 435419000; 536023200  
 CC 3-3 (Biochemical Genetics)  
 Section cross-reference(s): 6, 11  
 FAN.CNT 27

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
	US 2004123343	A1	20040624	US 2003-437963	20030514 <--
PRAI	US 2000-197872P	P	20000419	<--	
	US 2001-837604	A2	20010418		
	US 2003-437963	A	20030514		

## CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	US 2004123343	IC	A01H001-00IC C12N015-82IC C07H021-04IC C12N009-24IC C12N005-04
		INCL	800278000; 435069100; 435200000; 435201000; 435419000; 536023200
	US 2004123343	NCL	800/278.000 <--
	US 2004123343	NCL	800/278.000
		ECLA	C07K014/415 <--
AB	The present invention provides 102,483 cDNA sequences and their encoded protein sequences from rice ( <i>Oryza sativa</i> ). Bioinformatic anal. identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].		
ST	rice cDNA protein sequence plant transformation		
IT	Stress, plant (cold, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Stress, plant (heat, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Recombination, genetic (homologous; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Fats and Glyceridic oils, biological studies Growth regulators, plant RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Pathogen (improved tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Carbohydrates, biological studies RL: BSU (Biological study, unclassified); BIOL (Biological study) (improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Stress, plant (osmotic, tolerance to; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Cell cycle Disease resistance, plant Growth and development, plant Herbicides <i>Oryza sativa</i> Photosynthesis, biological Protein sequences Transformation, genetic cDNA library cDNA sequences (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		
IT	Transcription factors RL: BSU (Biological study, unclassified); BIOL (Biological study) (rice nucleic acid mols. and encoded proteins and their uses for plant improvement)		

IT Proteins  
cDNA  
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT Embryophyta  
(transgenic; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

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	736550-43-9	736550-44-0	736550-45-1	736550-46-2	736550-47-3
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	736550-53-1	736550-54-2	736550-55-3	736550-56-4	736550-57-5
	736550-58-6	736550-59-7	736550-60-0	736550-61-1	736550-62-2
	736550-63-3	736550-64-4	736550-65-5	736550-66-6	736550-67-7
	736550-68-8	736550-69-9	736550-70-2	736550-71-3	736550-72-4
	736550-73-5	736550-74-6	736550-75-7	736550-76-8	736550-77-9
	736550-78-0	736550-79-1	736550-80-4	736550-81-5	736550-82-6
	736550-83-7	736550-84-8	736550-85-9	736550-86-0	736550-87-1
	736550-88-2	736550-89-3	736550-90-6	736550-91-7	736550-92-8
	736550-93-9	736550-94-0	736550-95-1	736550-96-2	736550-97-3

736550-98-4	736550-99-5	736551-00-1	736551-01-2	736551-02-3
736551-03-4	736551-04-5	736551-05-6	736551-06-7	736551-07-8
736551-08-9	736551-09-0	736551-10-3	736551-11-4	736551-12-5
736551-13-6	736551-14-7	736551-15-8	736551-16-9	736551-17-0
736551-18-1	736551-19-2	736551-20-5	736551-21-6	736551-22-7
736551-23-8	736551-24-9	736551-25-0	736551-26-1	736551-27-2
736551-28-3	736551-29-4	736551-30-7	736551-31-8	736551-32-9
736551-33-0	736551-34-1	736551-35-2	736551-36-3	736551-37-4
736551-38-5	736551-39-6	736551-40-9	736551-41-0	736551-42-1
736551-43-2	736551-44-3	736551-45-4	736551-46-5	736551-47-6
736551-48-7	736551-49-8	736551-50-1	736551-51-2	736551-52-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736551-53-4	736551-54-5	736551-55-6	736551-56-7	736551-57-8
	736551-58-9	736551-59-0	736551-60-3	736551-61-4	736551-62-5
	736551-63-6	736551-64-7	736551-65-8	736551-66-9	736551-67-0
	736551-68-1	736551-69-2	736551-70-5	736551-71-6	736551-72-7
	736551-73-8	736551-74-9	736551-75-0	736551-76-1	736551-77-2
	736551-78-3	736551-79-4	736551-80-7	736551-81-8	736551-82-9
	736551-83-0	736551-84-1	736551-85-2	736551-86-3	736551-87-4
	736551-88-5	736551-89-6	736551-90-9	736551-91-0	736551-92-1
	736551-93-2	736551-94-3	736551-95-4	736551-96-5	736551-97-6
	736551-98-7	736551-99-8	736552-00-4	736552-01-5	736552-02-6
	736552-03-7	736552-04-8	736552-05-9	736552-06-0	736552-07-1
	736552-08-2	736552-09-3	736552-10-6	736552-11-7	736552-12-8
	736552-13-9	736552-14-0	736552-15-1	736552-16-2	736552-17-3
	736552-18-4	736552-19-5	736552-20-8	736552-21-9	736552-22-0
	736552-23-1	736552-24-2	736552-25-3	736552-26-4	736552-27-5
	736552-28-6	736552-29-7	736552-30-0	736552-31-1	736552-32-2
	736552-33-3	736552-34-4	736552-35-5	736552-36-6	736552-37-7
	736552-38-8	736552-39-9	736552-40-2	736552-41-3	736552-42-4
	736552-43-5	736552-44-6	736552-45-7	736552-46-8	736552-47-9
	736552-48-0	736552-49-1	736552-50-4	736552-51-5	736552-52-6
	736552-53-7	736552-54-8	736552-55-9	736552-56-0	736552-57-1
	736552-58-2	736552-59-3	736552-60-6	736552-61-7	736552-62-8
	736552-63-9	736552-64-0	736552-65-1	736552-66-2	736552-67-3
	736552-68-4	736552-69-5	736552-70-8	736552-71-9	736552-72-0
	736552-73-1	736552-74-2	736552-75-3	736552-76-4	736552-77-5
	736552-78-6	736552-79-7	736552-80-0	736552-81-1	736552-82-2
	736552-83-3	736552-84-4	736552-85-5	736552-86-6	736552-87-7
	736552-88-8	736552-89-9	736552-90-2	736552-91-3	736552-92-4
	736552-93-5	736552-94-6	736552-95-7	736552-96-8	736552-97-9
	736552-98-0	736552-99-1	736553-00-7	736553-01-8	736553-02-9
	736553-03-0	736553-04-1	736553-05-2	736553-06-3	736553-07-4
	736553-08-5	736553-09-6	736553-10-9	736553-11-0	736553-12-1
	736553-13-2	736553-14-3	736553-15-4	736553-16-5	736553-17-6
	736553-18-7	736553-19-8	736553-20-1	736553-21-2	736553-22-3
	736553-23-4	736553-24-5	736553-25-6	736553-26-7	736553-27-8
	736553-28-9	736553-29-0	736553-30-3	736553-31-4	736553-32-5
	736553-33-6	736553-34-7	736553-35-8	736553-36-9	736553-37-0
	736553-38-1	736553-39-2	736553-40-5	736553-41-6	736553-42-7
	736553-43-8	736553-44-9	736553-45-0	736553-46-1	736553-47-2
	736553-48-3	736553-49-4	736553-50-7	736553-51-8	736553-52-9
	736553-53-0	736553-54-1	736553-55-2	736553-56-3	736553-57-4
	736553-58-5	736553-59-6	736553-60-9	736553-61-0	736553-62-1
	736553-63-2	736553-64-3	736553-65-4	736553-66-5	736553-67-6
	736553-68-7	736553-69-8	736553-70-1	736553-71-2	736553-72-3
	736553-73-4	736553-74-5	736553-75-6	736553-76-7	736553-77-8
	736553-78-9	736553-79-0	736553-80-3	736553-81-4	736553-82-5
	736553-83-6	736553-84-7	736553-85-8	736553-86-9	736553-87-0

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736553-88-1	736553-89-2	736553-90-5	736553-91-6	736553-92-7
	736553-93-8	736553-94-9	736553-95-0	736553-96-1	736553-97-2
	736553-98-3	736553-99-4	736554-00-0	736554-01-1	736554-02-2
	736554-03-3	736554-04-4	736554-05-5	736554-06-6	736554-07-7
	736554-08-8	736554-09-9	736554-10-2	736554-11-3	736554-12-4
	736554-13-5	736554-14-6	736554-15-7	736554-16-8	736554-17-9
	736554-18-0	736554-19-1	736554-20-4	736554-21-5	736554-22-6
	736554-23-7	736554-24-8	736554-25-9	736554-26-0	736554-27-1
	736554-28-2	736554-29-3	736554-30-6	736554-31-7	736554-32-8
	736554-33-9	736554-34-0	736554-35-1	736554-36-2	736554-37-3
	736554-38-4	736554-39-5	736554-40-8	736554-41-9	736554-42-0
	736554-43-1	736554-44-2	736554-45-3	736554-46-4	736554-47-5
	736554-48-6	736554-49-7	736554-50-0	736554-51-1	736554-52-2
	736554-53-3	736554-54-4	736554-55-5	736554-56-6	736554-57-7
	736554-58-8	736554-59-9	736554-60-2	736554-61-3	736554-62-4
	736554-63-5	736554-64-6	736554-65-7	736554-66-8	736554-67-9
	736554-68-0	736554-69-1	736554-70-4	736554-71-5	736554-72-6
	736554-73-7	736554-74-8	736554-75-9	736554-76-0	736554-77-1
	736554-78-2	736554-79-3	736554-80-6	736554-81-7	736554-82-8
	736554-83-9	736554-84-0	736554-85-1	736554-86-2	736554-87-3
	736554-88-4	736554-89-5	736554-90-8	736554-91-9	736554-92-0
	736554-93-1	736554-94-2	736554-95-3	736554-96-4	736554-97-5
	736554-98-6	736554-99-7	736555-00-3	736555-01-4	736555-02-5
	736555-03-6	736555-04-7	736555-05-8	736555-06-9	736555-07-0
	736555-08-1	736555-09-2	736555-10-5	736555-11-6	736555-12-7
	736555-13-8	736555-14-9	736555-15-0	736555-16-1	736555-17-2
	736555-18-3	736555-19-4	736555-20-7	736555-21-8	736555-22-9
	736555-23-0	736555-24-1	736555-25-2	736555-26-3	736555-27-4
	736555-28-5	736555-29-6	736555-30-9	736555-31-0	736555-32-1
	736555-33-2	736555-34-3	736555-35-4	736555-36-5	736555-37-6
	736555-38-7	736555-39-8	736555-40-1	736555-41-2	736555-42-3
	736555-43-4	736555-44-5	736555-45-6	736555-46-7	736555-47-8
	736555-48-9	736555-49-0	736555-50-3	736555-51-4	736555-52-5
	736555-53-6	736555-54-7	736555-55-8	736555-56-9	736555-57-0
	736555-58-1	736555-59-2	736555-60-5	736555-61-6	736555-62-7
	736555-63-8	736555-64-9	736555-65-0	736555-66-1	736555-67-2
	736555-68-3	736555-69-4	736555-70-7	736555-71-8	736555-72-9
	736555-73-0	736555-74-1	736555-75-2	736555-76-3	736555-77-4
	736555-78-5	736555-79-6	736555-80-9	736555-81-0	736555-82-1
	736555-83-2	736555-84-3	736555-85-4	736555-86-5	736555-87-6
	736555-88-7	736555-89-8	736555-90-1	736555-91-2	736555-92-3
	736555-93-4	736555-94-5	736555-95-6	736555-96-7	736555-97-8
	736555-98-9	736555-99-0	736556-00-6	736556-01-7	736556-02-8
	736556-03-9	736556-04-0	736556-05-1	736556-06-2	736556-07-3
	736556-08-4	736556-09-5	736556-10-8	736556-11-9	736556-12-0
	736556-13-1	736556-14-2	736556-15-3	736556-16-4	736556-17-5
	736556-18-6	736556-19-7	736556-20-0	736556-21-1	736556-22-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736556-23-3	736556-24-4	736556-25-5	736556-26-6	736556-27-7
	736556-28-8	736556-29-9	736556-30-2	736556-31-3	736556-32-4
	736556-33-5	736556-34-6	736556-35-7	736556-36-8	736556-37-9
	736556-38-0	736556-39-1	736556-40-4	736556-41-5	736556-42-6
	736556-43-7	736556-44-8	736556-45-9	736556-46-0	736556-47-1
	736556-48-2	736556-49-3	736556-50-6	736556-51-7	736556-52-8
	736556-53-9	736556-54-0	736556-55-1	736556-56-2	736556-57-3
	736556-58-4	736556-59-5	736556-60-8	736556-61-9	736556-62-0
	736556-63-1	736556-64-2	736556-65-3	736556-66-4	736556-67-5
	736556-68-6	736556-69-7	736556-70-0	736556-71-1	736556-72-2
	736556-73-3	736556-74-4	736556-75-5	736556-76-6	736556-77-7
	736556-78-8	736556-79-9	736556-80-2	736556-81-3	736556-82-4
	736556-83-5	736556-84-6	736556-85-7	736556-86-8	736556-87-9
	736556-88-0	736556-89-1	736556-90-4	736556-91-5	736556-92-6
	736556-93-7	736556-94-8	736556-95-9	736556-96-0	736556-97-1

736556-98-2	736556-99-3	736557-00-9	736557-01-0	736557-02-1
736557-03-2	736557-04-3	736557-05-4	736557-06-5	736557-07-6
736557-08-7	736557-09-8	736557-10-1	736557-11-2	736557-12-3
736557-13-4	736557-14-5	736557-15-6	736557-16-7	736557-17-8
736557-18-9	736557-19-0	736557-20-3	736557-21-4	736557-22-5
736557-23-6	736557-24-7	736557-25-8	736557-26-9	736557-27-0
736557-28-1	736557-29-2	736557-30-5	736557-31-6	736557-32-7
736557-33-8	736557-34-9	736557-35-0	736557-36-1	736557-37-2
736557-38-3	736557-39-4	736557-40-7	736557-41-8	736557-42-9
736557-43-0	736557-44-1	736557-45-2	736557-46-3	736557-47-4
736557-48-5	736557-49-6	736557-50-9	736557-51-0	736557-52-1
736557-53-2	736557-54-3	736557-55-4	736557-56-5	736557-57-6
736557-58-7	736557-59-8	736557-60-1	736557-61-2	736557-62-3
736557-63-4	736557-64-5	736557-65-6	736557-66-7	736557-67-8
736557-68-9	736557-69-0	736557-70-3	736557-71-4	736557-72-5
736557-73-6	736557-74-7	736557-75-8	736557-76-9	736557-77-0
736557-78-1	736557-79-2	736557-80-5	736557-81-6	736557-82-7
736557-83-8	736557-84-9	736557-85-0	736557-86-1	736557-87-2
736557-88-3	736557-89-4	736557-90-7	736557-91-8	736557-92-9
736557-93-0	736557-94-1	736557-95-2	736557-96-3	736557-97-4
736557-98-5	736557-99-6	736558-00-2	736558-01-3	736558-02-4
736558-03-5	736558-04-6	736558-05-7	736558-06-8	736558-07-9
736558-08-0	736558-09-1	736558-10-4	736558-11-5	736558-12-6
736558-13-7	736558-14-8	736558-15-9	736558-16-0	736558-17-1
736558-18-2	736558-19-3	736558-20-6	736558-21-7	736558-22-8
736558-23-9	736558-24-0	736558-25-1	736558-26-2	736558-27-3
736558-28-4	736558-29-5	736558-30-8	736558-31-9	736558-32-0
736558-33-1	736558-34-2	736558-35-3	736558-36-4	736558-37-5
736558-38-6	736558-39-7	736558-40-0	736558-41-1	736558-42-2
736558-43-3	736558-44-4	736558-45-5	736558-46-6	736558-47-7
736558-48-8	736558-49-9	736558-50-2	736558-51-3	736558-52-4
736558-53-5	736558-54-6	736558-55-7	736558-56-8	736558-57-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736558-58-0	736558-59-1	736558-60-4	736558-61-5	736558-62-6
	736558-63-7	736558-64-8	736558-65-9	736558-66-0	736558-67-1
	736558-68-2	736558-69-3	736558-70-6	736558-71-7	736558-72-8
	736558-73-9	736558-74-0	736558-75-1	736558-76-2	736558-77-3
	736558-78-4	736558-79-5	736558-80-8	736558-81-9	736558-82-0
	736558-83-1	736558-84-2	736558-85-3	736558-86-4	736558-87-5
	736558-88-6	736558-89-7	736558-90-0	736558-91-1	736558-92-2
	736558-93-3	736558-94-4	736558-95-5	736558-96-6	736558-97-7
	736558-98-8	736558-99-9	736559-00-5	736559-01-6	736559-02-7
	736559-03-8	736559-04-9	736559-05-0	736559-06-1	736559-07-2
	736559-08-3	736559-09-4	736559-10-7	736559-11-8	736559-12-9
	736559-13-0	736559-14-1	736559-15-2	736559-16-3	736559-17-4
	736559-18-5	736559-19-6	736559-20-9	736559-21-0	736559-22-1
	736559-23-2	736559-24-3	736559-25-4	736559-26-5	736559-27-6
	736559-28-7	736559-29-8	736559-30-1	736559-31-2	736559-32-3
	736559-33-4	736559-34-5	736559-35-6	736559-36-7	736559-37-8
	736559-38-9	736559-39-0	736559-40-3	736559-41-4	736559-42-5
	736559-43-6	736559-44-7	736559-45-8	736559-46-9	736559-47-0
	736559-48-1	736559-49-2	736559-50-5	736559-51-6	736559-52-7
	736559-53-8	736559-54-9	736559-55-0	736559-56-1	736559-57-2
	736559-58-3	736559-59-4	736559-60-7	736559-61-8	736559-62-9
	736559-63-0	736559-64-1	736559-65-2	736559-66-3	736559-67-4
	736559-68-5	736559-69-6	736559-70-9	736559-71-0	736559-72-1
	736559-73-2	736559-74-3	736559-75-4	736559-76-5	736559-77-6
	736559-78-7	736559-79-8	736559-80-1	736559-81-2	736559-82-3
	736559-83-4	736559-84-5	736559-85-6	736559-86-7	736559-87-8
	736559-88-9	736559-89-0	736559-90-3	736559-91-4	736559-92-5
	736559-93-6	736559-94-7	736559-95-8	736559-96-9	736559-97-0
	736559-98-1	736559-99-2	736560-00-2	736560-01-3	736560-02-4
	736560-03-5	736560-04-6	736560-05-7	736560-06-8	736560-07-9

736560-08-0	736560-09-1	736560-10-4	736560-11-5	736560-12-6
736560-13-7	736560-14-8	736560-15-9	736560-16-0	736560-17-1
736560-18-2	736560-19-3	736560-20-6	736560-21-7	736560-22-8
736560-23-9	736560-24-0	736560-25-1	736560-26-2	736560-27-3
736560-28-4	736560-29-5	736560-30-8	736560-31-9	736560-32-0
736560-33-1	736560-34-2	736560-35-3	736560-36-4	736560-37-5
736560-38-6	736560-39-7	736560-40-0	736560-41-1	736560-42-2
736560-43-3	736560-44-4	736560-45-5	736560-46-6	736560-47-7
736560-48-8	736560-49-9	736560-50-2	736560-51-3	736560-52-4
736560-53-5	736560-54-6	736560-55-7	736560-56-8	736560-57-9
736560-58-0	736560-59-1	736560-60-4	736560-61-5	736560-62-6
736560-63-7	736560-64-8	736560-65-9	736560-66-0	736560-67-1
736560-68-2	736560-69-3	736560-70-6	736560-71-7	736560-72-8
736560-73-9	736560-74-0	736560-75-1	736560-76-2	736560-77-3
736560-78-4	736560-79-5	736560-80-8	736560-81-9	736560-82-0
736560-83-1	736560-84-2	736560-85-3	736560-86-4	736560-87-5
736560-88-6	736560-89-7	736560-90-0	736560-91-1	736560-92-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736560-93-3	736560-94-4	736560-95-5	736560-96-6	736560-97-7
	736560-98-8	736560-99-9	736561-00-5	736561-01-6	736561-02-7
	736561-03-8	736561-04-9	736561-05-0	736561-06-1	736561-07-2
	736561-08-3	736561-09-4	736561-10-7	736561-11-8	736561-12-9
	736561-13-0	736561-14-1	736561-15-2	736561-16-3	736561-17-4
	736561-18-5	736561-19-6	736561-20-9	736561-21-0	736561-22-1
	736561-23-2	736561-24-3	736561-25-4	736561-26-5	736561-27-6
	736561-28-7	736561-29-8	736561-30-1	736561-31-2	736561-32-3
	736561-33-4	736561-34-5	736561-35-6	736561-36-7	736561-37-8
	736561-38-9	736561-39-0	736561-40-3	736561-41-4	736561-42-5
	736561-43-6	736561-44-7	736561-45-8	736561-46-9	736561-47-0
	736561-48-1	736561-49-2	736561-50-5	736561-51-6	736561-52-7
	736561-53-8	736561-54-9	736561-55-0	736561-56-1	736561-57-2
	736561-58-3	736561-59-4	736561-60-7	736561-61-8	736561-62-9
	736561-63-0	736561-64-1	736561-65-2	736561-66-3	736561-67-4
	736561-68-5	736561-69-6	736561-70-9	736561-71-0	736561-72-1
	736561-73-2	736561-74-3	736561-75-4	736561-76-5	736561-77-6
	736561-78-7	736561-79-8	736561-80-1	736561-81-2	736561-82-3
	736561-83-4	736561-84-5	736561-85-6	736561-86-7	736561-87-8
	736561-88-9	736561-89-0	736561-90-3	736561-91-4	736561-92-5
	736561-93-6	736561-94-7	736561-95-8	736561-96-9	736561-97-0
	736561-98-1	736561-99-2	736562-00-8	736562-01-9	736562-02-0
	736562-03-1	736562-04-2	736562-05-3	736562-06-4	736562-07-5
	736562-08-6	736562-09-7	736562-10-0	736562-11-1	736562-12-2
	736562-13-3	736562-14-4	736562-15-5	736562-16-6	736562-17-7
	736562-18-8	736562-19-9	736562-20-2	736562-21-3	736562-22-4
	736562-23-5	736562-24-6	736562-25-7	736562-26-8	736562-27-9
	736562-28-0	736562-29-1	736562-30-4	736562-31-5	736562-32-6
	736562-33-7	736562-34-8	736562-35-9	736562-36-0	736562-37-1
	736562-38-2	736562-39-3	736562-40-6	736562-41-7	736562-42-8
	736562-43-9	736562-44-0	736562-45-1	736562-46-2	736562-47-3
	736562-48-4	736562-49-5	736562-50-8	736562-51-9	736562-52-0
	736562-53-1	736562-54-2	736562-55-3	736562-56-4	736562-57-5
	736562-58-6	736562-59-7	736562-60-0	736562-61-1	736562-62-2
	736562-63-3	736562-64-4	736562-65-5	736562-66-6	736562-67-7
	736562-68-8	736562-69-9	736562-70-2	736562-71-3	736562-72-4
	736562-73-5	736562-74-6	736562-75-7	736562-76-8	736562-77-9
	736562-78-0	736562-79-1	736562-80-4	736562-81-5	736562-82-6
	736562-83-7	736562-84-8	736562-85-9	736562-86-0	736562-87-1
	736562-88-2	736562-89-3	736562-90-6	736562-91-7	736562-92-8
	736562-93-9	736562-94-0	736562-95-1	736562-96-2	736562-97-3
	736562-98-4	736562-99-5	736563-00-1	736563-01-2	736563-02-3
	736563-03-4	736563-04-5	736563-05-6	736563-06-7	736563-07-8
	736563-08-9	736563-09-0	736563-10-3	736563-11-4	736563-12-5
	736563-13-6	736563-14-7	736563-15-8	736563-16-9	736563-17-0

736563-18-1 736563-19-2 736563-20-5 736563-21-6 736563-22-7  
 736563-23-8 736563-24-9 736563-25-0 736563-26-1 736563-27-2  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	736563-28-3	736563-29-4	736563-30-7	736563-31-8	736563-32-9
	736563-33-0	736563-34-1	736563-35-2	736563-36-3	736563-37-4
	736563-38-5	736563-39-6	736563-40-9	736563-41-0	736563-42-1
	736563-43-2	736563-44-3	736563-45-4	736563-46-5	736563-47-6
	736563-48-7	736563-49-8	736563-50-1	736563-51-2	736563-52-3
	736563-53-4	736563-54-5	736563-55-6	736563-56-7	736563-57-8
	736563-58-9	736563-59-0	736563-60-3	736563-61-4	736563-62-5
	736563-63-6	736563-64-7	736563-65-8	736563-66-9	
	736563-67-0	736563-68-1	736563-69-2	736563-70-5	736563-71-6
	736563-72-7	736563-73-8	736563-74-9	736563-75-0	736563-76-1
	736563-77-2	736563-78-3	736563-79-4	736563-80-7	736563-81-8
	736563-82-9	736563-83-0	736563-84-1	736563-85-2	736563-86-3
	736563-87-4	736563-88-5	736563-89-6	736563-90-9	736563-91-0
	736563-92-1	736563-93-2	736563-94-3	736563-95-4	736563-96-5
	736563-97-6	736563-98-7	736563-99-8	736564-00-4	736564-01-5
	736564-02-6	736564-03-7	736564-04-8	736564-05-9	736564-06-0
	736564-07-1	736564-08-2	736564-09-3	736564-10-6	736564-11-7
	736564-12-8	736564-13-9	736564-14-0	736564-15-1	736564-16-2
	736564-17-3	736564-18-4	736564-19-5	736564-20-8	736564-21-9
	736564-22-0	736564-23-1	736564-24-2	736564-25-3	736564-26-4
	736564-27-5	736564-28-6	736564-29-7	736564-30-0	736564-31-1
	736564-32-2	736564-33-3	736564-34-4	736564-35-5	736564-36-6
	736564-37-7	736564-38-8	736564-39-9	736564-40-2	736564-41-3
	736564-42-4	736564-43-5	736564-44-6	736564-45-7	736564-46-8
	736564-47-9	736564-48-0	736564-49-1	736564-50-4	736564-51-5
	736564-52-6	736564-53-7	736564-54-8	736564-55-9	736564-56-0
	736564-57-1	736564-58-2	736564-59-3	736564-60-6	736564-61-7
	736564-62-8	736564-63-9	736564-64-0	736564-65-1	736564-66-2
	736564-67-3	736564-68-4	736564-69-5	736564-70-8	736564-71-9
	736564-72-0	736564-73-1	736564-74-2	736564-75-3	736564-76-4
	736564-77-5	736564-78-6	736564-79-7	736564-80-0	736564-81-1
	736564-82-2	736564-83-3	736564-84-4	736564-85-5	736564-86-6
	736564-87-7	736564-88-8	736564-89-9	736564-90-2	736564-91-3
	736564-92-4	736564-93-5	736564-94-6	736564-95-7	736564-96-8
	736564-97-9	736564-98-0	736564-99-1	736565-00-7	736565-01-8
	736565-02-9	736565-03-0	736565-04-1	736565-05-2	736565-06-3
	736565-07-4	736565-08-5	736565-09-6	736565-10-9	736565-11-0
	736565-12-1	736565-13-2	736565-14-3	736565-15-4	736565-16-5
	736565-17-6	736565-18-7	736565-19-8	736565-20-1	736565-21-2
	736565-22-3	736565-23-4	736565-24-5	736565-25-6	736565-26-7
	736565-27-8	736565-28-9	736565-29-0	736565-30-3	736565-31-4
	736565-32-5	736565-33-6	736565-34-7	736565-35-8	736565-36-9
	736565-37-0	736565-38-1	736565-39-2	736565-40-5	736565-41-6
	736565-42-7	736565-43-8	736565-44-9	736565-45-0	736565-46-1
	736565-47-2	736565-48-3	736565-49-4	736565-50-7	736565-51-8
	736565-52-9	736565-53-0	736565-54-1	736565-55-2	736565-56-3
	736565-57-4	736565-58-5	736565-59-6	736565-60-9	736565-61-0
	736565-62-1				

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	736565-63-2	736565-64-3	736565-65-4	736565-66-5	736565-67-6
	736565-68-7	736565-69-8	736565-70-1	736565-71-2	736565-72-3
	736565-73-4	736565-74-5	736565-75-6	736565-76-7	736565-77-8
	736565-78-9	736565-79-0	736565-80-3	736565-81-4	736565-82-5
	736565-83-6	736565-84-7	736565-85-8	736565-86-9	736565-87-0
	736565-88-1	736565-89-2	736565-90-5	736565-91-6	736565-92-7
	736565-93-8	736565-94-9	736565-95-0	736565-96-1	736565-97-2
	736565-98-3	736565-99-4	736566-00-0	736566-01-1	736566-02-2

736566-03-3	736566-04-4	736566-05-5	736566-06-6	736566-07-7
736566-08-8	736566-09-9	736566-10-2	736566-11-3	736566-12-4
736566-13-5	736566-14-6	736566-15-7	736566-16-8	736566-17-9
736566-18-0	736566-19-1	736566-20-4	736566-21-5	736566-22-6
736566-23-7	736566-24-8	736566-25-9	736566-26-0	736566-27-1
736566-28-2	736566-29-3	736566-30-6	736566-31-7	736566-32-8
736566-33-9	736566-34-0	736566-35-1	736566-36-2	736566-37-3
736566-38-4	736566-39-5	736566-40-8	736566-41-9	736566-42-0
736566-43-1	736566-44-2	736566-45-3	736566-46-4	736566-47-5
736566-48-6	736566-49-7	736566-50-0	736566-51-1	736566-52-2
736566-53-3	736566-54-4	736566-55-5	736566-56-6	736566-57-7
736566-58-8	736566-59-9	736566-60-2	736566-61-3	736566-62-4
736566-63-5	736566-64-6	736566-65-7	736566-66-8	736566-67-9
736566-68-0	736566-69-1	736566-70-4	736566-71-5	736566-72-6
736566-73-7	736566-74-8	736566-75-9	736566-76-0	736566-77-1
736566-78-2	736566-79-3	736566-80-6	736566-81-7	736566-82-8
736566-83-9	736566-84-0	736566-85-1	736566-86-2	736566-87-3
736566-88-4	736566-89-5	736566-90-8	736566-91-9	736566-92-0
736566-93-1	736566-94-2	736566-95-3	736566-96-4	736566-97-5
736567-03-6	736567-04-7	736567-00-3	736567-01-4	736567-02-5
736567-08-1	736567-09-2	736567-05-8	736567-06-9	736567-07-0
736567-13-8	736567-14-9	736567-10-5	736567-11-6	736567-12-7
736567-18-3	736567-19-4	736567-15-0	736567-16-1	736567-17-2
736567-23-0	736567-24-1	736567-20-7	736567-21-8	736567-22-9
736567-28-5	736567-29-6	736567-25-2	736567-26-3	736567-27-4
736567-33-2	736567-34-3	736567-30-9	736567-31-0	736567-32-1
736567-38-7	736567-39-8	736567-35-4	736567-36-5	736567-37-6
736567-43-4	736567-44-5	736567-40-1	736567-41-2	736567-42-3
736567-48-9	736567-49-0	736567-45-6	736567-46-7	736567-47-8
736567-53-6	736567-54-7	736567-50-3	736567-51-4	736567-52-5
736567-58-1	736567-59-2	736567-55-8	736567-56-9	736567-57-0
736567-63-8	736567-64-9	736567-60-5	736567-61-6	736567-62-7
736567-68-3	736567-69-4	736567-65-0	736567-66-1	736567-67-2
736567-73-0	736567-74-1	736567-70-7	736567-71-8	736567-72-9
736567-78-5	736567-79-6	736567-75-2	736567-76-3	736567-77-4
736567-83-2	736567-84-3	736567-80-9	736567-81-0	736567-82-1
736567-88-7	736567-89-8	736567-85-4	736567-86-5	736567-87-6
736567-93-4	736567-94-5	736567-90-1	736567-91-2	736567-92-3
		736567-95-6	736567-96-7	736567-97-8

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736567-98-9	736567-99-0	736568-00-6	736568-01-7	736568-02-8
	736568-03-9	736568-04-0	736568-05-1	736568-06-2	736568-07-3
	736568-08-4	736568-09-5	736568-10-8	736568-11-9	736568-12-0
	736568-13-1	736568-14-2	736568-15-3	736568-16-4	736568-17-5
	736568-18-6	736568-19-7	736568-20-0	736568-21-1	736568-22-2
	736568-23-3	736568-24-4	736568-25-5	736568-26-6	736568-27-7
	736568-28-8	736568-29-9	736568-30-2	736568-31-3	736568-32-4
	736568-33-5	736568-34-6	736568-35-7	736568-36-8	736568-37-9
	736568-38-0	736568-39-1	736568-40-4	736568-41-5	736568-42-6
	736568-43-7	736568-44-8	736568-45-9	736568-46-0	736568-47-1
	736568-48-2	736568-49-3	736568-50-6	736568-51-7	736568-52-8
	736568-53-9	736568-54-0	736568-55-1	736568-56-2	736568-57-3
	736568-58-4	736568-59-5	736568-60-8	736568-61-9	736568-62-0
	736568-63-1	736568-64-2	736568-65-3	736568-66-4	736568-67-5
	736568-68-6	736568-69-7	736568-70-0	736568-71-1	736568-72-2
	736568-73-3	736568-74-4	736568-75-5	736568-76-6	736568-77-7
	736568-78-8	736568-79-9	736568-80-2	736568-81-3	736568-82-4
	736568-83-5	736568-84-6	736568-85-7	736568-86-8	736568-87-9
	736568-88-0	736568-89-1	736568-90-4	736568-91-5	
	736568-92-6	736568-93-7	736568-94-8	736568-95-9	736568-96-0
	736568-97-1	736568-98-2	736568-99-3	736569-00-9	736569-01-0
	736569-02-1	736569-03-2	736569-04-3	736569-05-4	736569-06-5
	736569-07-6	736569-08-7	736569-09-8	736569-10-1	736569-11-2

736569-12-3	736569-13-4	736569-14-5	736569-15-6	736569-16-7
736569-17-8	736569-18-9	736569-19-0	736569-20-3	736569-21-4
736569-22-5	736569-23-6	736569-24-7	736569-25-8	736569-26-9
736569-27-0	736569-28-1	736569-29-2	736569-30-5	736569-31-6
736569-32-7	736569-33-8	736569-34-9	736569-35-0	736569-36-1
736569-37-2	736569-38-3	736569-39-4	736569-40-7	736569-41-8
736569-42-9	736569-43-0	736569-44-1	736569-45-2	736569-46-3
736569-47-4	736569-48-5	736569-49-6	736569-50-9	736569-51-0
736569-52-1	736569-53-2	736569-54-3	736569-55-4	736569-56-5
736569-57-6	736569-58-7	736569-59-8	736569-60-1	736569-61-2
736569-62-3	736569-63-4	736569-64-5	736569-65-6	736569-66-7
736569-67-8	736569-68-9	736569-69-0	736569-70-3	736569-71-4
736569-72-5	736569-73-6	736569-74-7	736569-75-8	736569-76-9
736569-77-0	736569-78-1	736569-79-2	736569-80-5	736569-81-6
736569-82-7	736569-83-8	736569-84-9	736569-85-0	736569-86-1
736569-87-2	736569-88-3	736569-89-4	736569-90-7	736569-91-8
736569-92-9	736569-93-0	736569-94-1	736569-95-2	736569-96-3
736569-97-4	736569-98-5	736569-99-6	736570-00-6	736570-01-7
736570-02-8	736570-03-9	736570-04-0	736570-05-1	736570-06-2
736570-07-3	736570-08-4	736570-09-5	736570-10-8	736570-11-9
736570-12-0	736570-13-1	736570-14-2	736570-15-3	736570-16-4
736570-17-5	736570-18-6	736570-19-7	736570-20-0	736570-21-1
736570-22-2	736570-23-3	736570-24-4	736570-25-5	736570-26-6
736570-27-7	736570-28-8	736570-29-9	736570-30-2	736570-31-3
736570-32-4				

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736570-33-5	736570-34-6	736570-35-7	736570-36-8	736570-37-9
	736570-38-0	736570-39-1	736570-40-4	736570-41-5	736570-42-6
	736570-43-7	736570-44-8	736570-45-9	736570-46-0	736570-47-1
	736570-48-2	736570-49-3	736570-50-6	736570-51-7	736570-52-8
	736570-53-9	736570-54-0	736570-55-1	736570-56-2	736570-57-3
	736570-58-4	736570-59-5	736570-60-8	736570-61-9	736570-62-0
	736570-63-1	736570-64-2	736570-65-3	736570-66-4	736570-67-5
	736570-68-6	736570-69-7	736570-70-0	736570-71-1	736570-72-2
	736570-73-3	736570-74-4	736570-75-5	736570-76-6	736570-77-7
	736570-78-8	736570-79-9	736570-80-2	736570-81-3	736570-82-4
	736570-83-5	736570-84-6	736570-85-7	736570-86-8	736570-87-9
	736570-88-0	736570-89-1	736570-90-4	736570-91-5	736570-92-6
	736570-93-7	736570-94-8	736570-95-9	736570-96-0	736570-97-1
	736570-98-2	736570-99-3	736571-00-9	736571-01-0	736571-02-1
	736571-03-2	736571-04-3	736571-05-4	736571-06-5	736571-07-6
	736571-08-7	736571-09-8	736571-10-1	736571-11-2	736571-12-3
	736571-13-4	736571-14-5	736571-15-6	736571-16-7	736571-17-8
	736571-18-9	736571-19-0	736571-20-3	736571-21-4	736571-22-5
	736571-23-6	736571-24-7	736571-25-8	736571-26-9	736571-27-0
	736571-28-1	736571-29-2	736571-30-5	736571-31-6	736571-32-7
	736571-33-8	736571-34-9	736571-35-0	736571-36-1	736571-37-2
	736571-38-3	736571-39-4	736571-40-7	736571-41-8	736571-42-9
	736571-43-0	736571-44-1	736571-45-2	736571-46-3	736571-47-4
	736571-48-5	736571-49-6	736571-50-9	736571-51-0	736571-52-1
	736571-53-2	736571-54-3	736571-55-4	736571-56-5	736571-57-6
	736571-58-7	736571-59-8	736571-60-1	736571-61-2	736571-62-3
	736571-63-4	736571-64-5	736571-65-6	736571-66-7	736571-67-8
	736571-68-9	736571-69-0	736571-70-3	736571-71-4	736571-72-5
	736571-73-6	736571-74-7	736571-75-8	736571-76-9	736571-77-0
	736571-78-1	736571-79-2	736571-80-5	736571-81-6	736571-82-7
	736571-83-8	736571-84-9	736571-85-0	736571-86-1	736571-87-2
	736571-88-3	736571-89-4	736571-90-7	736571-91-8	736571-92-9
	736571-93-0	736571-94-1	736571-95-2	736571-96-3	736571-97-4
	736571-98-5	736571-99-6	736572-00-2	736572-01-3	736572-02-4
	736572-03-5	736572-04-6	736572-05-7	736572-06-8	736572-07-9
	736572-08-0	736572-09-1	736572-10-4	736572-11-5	736572-12-6
	736572-13-7	736572-14-8	736572-15-9	736572-16-0	736572-17-1

736572-18-2	736572-19-3	736572-20-6	736572-21-7	736572-22-8
736572-23-9	736572-24-0	736572-25-1	736572-26-2	736572-27-3
736572-28-4	736572-29-5	736572-30-8	736572-31-9	736572-32-0
736572-33-1	736572-34-2	736572-35-3	736572-36-4	736572-37-5
736572-38-6	736572-39-7	736572-40-0	736572-41-1	736572-42-2
736572-43-3	736572-44-4	736572-45-5	736572-46-6	736572-47-7
736572-48-8	736572-49-9	736572-50-2	736572-51-3	736572-52-4
736572-53-5	736572-54-6	736572-55-7	736572-56-8	736572-57-9
736572-58-0	736572-59-1	736572-60-4	736572-61-5	736572-62-6
736572-63-7	736572-64-8	736572-65-9	736572-66-0	736572-67-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736572-68-2	736572-69-3	736572-70-6	736572-71-7	736572-72-8
	736572-73-9	736572-74-0	736572-75-1	736572-76-2	736572-77-3
	736572-78-4	736572-79-5	736572-80-8	736572-81-9	736572-82-0
	736572-83-1	736572-84-2	736572-85-3	736572-86-4	736572-87-5
	736572-88-6	736572-89-7	736572-90-0	736572-91-1	736572-92-2
	736572-93-3	736572-94-4	736572-95-5	736572-96-6	736572-97-7
	736572-98-8	736572-99-9	736573-00-5	736573-01-6	736573-02-7
	736573-03-8	736573-04-9	736573-05-0	736573-06-1	736573-07-2
	736573-08-3	736573-09-4	736573-10-7	736573-11-8	736573-12-9
	736573-13-0	736573-14-1	736573-15-2	736573-16-3	736573-17-4
	736573-18-5	736573-19-6	736573-20-9	736573-21-0	736573-22-1
	736573-23-2	736573-24-3	736573-25-4	736573-26-5	736573-27-6
	736573-28-7	736573-29-8	736573-30-1	736573-31-2	736573-32-3
	736573-33-4	736573-34-5	736573-35-6	736573-36-7	736573-37-8
	736573-38-9	736573-39-0	736573-40-3	736573-41-4	736573-42-5
	736573-43-6	736573-44-7	736573-45-8	736573-46-9	736573-47-0
	736573-48-1	736573-49-2	736573-50-5	736573-51-6	736573-52-7
	736573-53-8	736573-54-9	736573-55-0	736573-56-1	736573-57-2
	736573-58-3	736573-59-4	736573-60-7	736573-61-8	736573-62-9
	736573-63-0	736573-64-1	736573-65-2	736573-66-3	736573-67-4
	736573-68-5	736573-69-6	736573-70-9	736573-71-0	736573-72-1
	736573-73-2	736573-74-3	736573-75-4	736573-76-5	736573-77-6
	736573-78-7	736573-79-8	736573-80-1	736573-81-2	736573-82-3
	736573-83-4	736573-84-5	736573-85-6	736573-86-7	736573-87-8
	736573-88-9	736573-89-0	736573-90-3	736573-91-4	736573-92-5
	736573-93-6	736573-94-7	736573-95-8	736573-96-9	736573-97-0
	736573-98-1	736573-99-2	736574-00-8	736574-01-9	736574-02-0
	736574-03-1	736574-04-2	736574-05-3	736574-06-4	736574-07-5
	736574-08-6	736574-09-7	736574-10-0	736574-11-1	736574-12-2
	736574-13-3	736574-14-4	736574-15-5	736574-16-6	736574-17-7
	736574-18-8	736574-19-9	736574-20-2	736574-21-3	736574-22-4
	736574-23-5	736574-24-6	736574-25-7	736574-26-8	736574-27-9
	736574-28-0	736574-29-1	736574-30-4	736574-31-5	736574-32-6
	736574-33-7	736574-34-8	736574-35-9	736574-36-0	736574-37-1
	736574-38-2	736574-39-3	736574-40-6	736574-41-7	736574-42-8
	736574-43-9	736574-44-0	736574-45-1	736574-46-2	736574-47-3
	736574-48-4	736574-49-5	736574-50-8	736574-51-9	736574-52-0
	736574-53-1	736574-54-2	736574-55-3	736574-56-4	736574-57-5
	736574-58-6	736574-59-7	736574-60-0	736574-61-1	736574-62-2
	736574-63-3	736574-64-4	736574-65-5	736574-66-6	736574-67-7
	736574-68-8	736574-69-9	736574-70-2	736574-71-3	736574-72-4
	736574-73-5	736574-74-6	736574-75-7	736574-76-8	736574-77-9
	736574-78-0	736574-79-1	736574-80-4	736574-81-5	736574-82-6
	736574-83-7	736574-84-8	736574-85-9	736574-86-0	736574-87-1
	736574-88-2	736574-89-3	736574-90-6	736574-91-7	736574-92-8
	736574-93-9	736574-94-0	736574-95-1	736574-96-2	736574-97-3
	736574-98-4	736574-99-5	736575-00-1	736575-01-2	736575-02-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736575-03-4	736575-04-5	736575-05-6	736575-06-7	736575-07-8
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736575-08-9	736575-09-0	736575-10-3	736575-11-4	736575-12-5
736575-13-6	736575-14-7	736575-15-8	736575-16-9	736575-17-0
736575-18-1	736575-19-2	736575-20-5	736575-21-6	736575-22-7
736575-23-8	736575-24-9	736575-25-0	736575-26-1	736575-27-2
736575-28-3	736575-29-4	736575-30-7	736575-31-8	736575-32-9
736575-33-0	736575-34-1	736575-35-2	736575-36-3	736575-37-4
736575-38-5	736575-39-6	736575-40-9	736575-41-0	736575-42-1
736575-43-2	736575-44-3	736575-45-4	736575-46-5	736575-47-6
736575-48-7	736575-49-8	736575-50-1	736575-51-2	736575-52-3
736575-53-4	736575-54-5	736575-55-6	736575-56-7	736575-57-8
736575-58-9	736575-59-0	736575-60-3	736575-61-4	736575-62-5
736575-63-6	736575-64-7	736575-65-8	736575-66-9	736575-67-0
736575-68-1	736575-69-2	736575-70-5	736575-71-6	736575-72-7
736575-73-8	736575-74-9	736575-75-0	736575-76-1	736575-77-2
736575-78-3	736575-79-4	736575-80-7	736575-81-8	736575-82-9
736575-83-0	736575-84-1	736575-85-2	736575-86-3	736575-87-4
736575-88-5	736575-89-6	736575-90-9	736575-91-0	736575-92-1
736575-93-2	736575-94-3	736575-95-4	736575-96-5	736575-97-6
736576-02-6	736576-03-7	736576-04-8	736576-05-9	736576-06-0
736576-07-1	736576-08-2	736576-09-3	736576-10-6	736576-11-7
736576-12-8	736576-13-9	736576-14-0	736576-15-1	736576-16-2
736576-17-3	736576-18-4	736576-19-5	736576-20-8	736576-21-9
736576-22-0	736576-23-1	736576-24-2	736576-25-3	736576-26-4
736576-27-5	736576-28-6	736576-29-7	736576-30-0	736576-31-1
736576-32-2	736576-33-3	736576-34-4	736576-35-5	736576-36-6
736576-37-7	736576-38-8	736576-39-9	736576-40-2	736576-41-3
736576-42-4	736576-43-5	736576-44-6	736576-45-7	736576-46-8
736576-47-9	736576-48-0	736576-49-1	736576-50-4	736576-51-5
736576-52-6	736576-53-7	736576-54-8	736576-55-9	736576-56-0
736576-57-1	736576-58-2	736576-59-3	736576-60-6	736576-61-7
736576-62-8	736576-63-9	736576-64-0	736576-65-1	736576-66-2
736576-67-3	736576-68-4	736576-69-5	736576-70-8	736576-71-9
736576-72-0	736576-73-1	736576-74-2	736576-75-3	736576-76-4
736576-77-5	736576-78-6	736576-79-7	736576-80-0	736576-81-1
736576-82-2	736576-83-3	736576-84-4	736576-85-5	736576-86-6
736576-87-7	736576-88-8	736576-89-9	736576-90-2	736576-91-3
736576-92-4	736576-93-5	736576-94-6	736576-95-7	736576-96-8
736576-97-9	736577-02-9	736577-03-0	736577-04-1	736577-05-2
736577-06-3	736577-07-4	736577-08-5	736577-09-6	736577-10-9
736577-11-0	736577-12-1	736577-13-2	736577-14-3	736577-15-4
736577-16-5	736577-17-6	736577-18-7	736577-19-8	736577-20-1
736577-21-2	736577-22-3	736577-23-4	736577-24-5	736577-25-6
736577-26-7	736577-27-8	736577-28-9	736577-29-0	736577-30-3
736577-31-4	736577-32-5	736577-33-6	736577-34-7	736577-35-8
736577-36-9	736577-37-0			

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736577-38-1	736577-39-2	736577-40-5	736577-41-6	736577-42-7
	736577-43-8	736577-44-9	736577-45-0	736577-46-1	736577-47-2
	736577-48-3	736577-49-4	736577-50-7	736577-51-8	736577-52-9
	736577-53-0	736577-54-1	736577-55-2	736577-56-3	736577-57-4
	736577-58-5	736577-59-6	736577-60-9	736577-61-0	736577-62-1
	736577-63-2	736577-64-3	736577-65-4	736577-66-5	736577-67-6
	736577-68-7	736577-69-8	736577-70-1	736577-71-2	736577-72-3
	736577-73-4	736577-74-5	736577-75-6	736577-76-7	736577-77-8
	736577-78-9	736577-79-0	736577-80-3	736577-81-4	736577-82-5
	736577-83-6	736577-84-7	736577-85-8	736577-86-9	736577-87-0
	736577-88-1	736577-89-2	736577-90-5	736577-91-6	736577-92-7
	736577-93-8	736577-94-9	736577-95-0	736577-96-1	736577-97-2
	736577-98-3	736577-99-4	736578-00-0	736578-01-1	736578-02-2
	736578-03-3	736578-04-4	736578-05-5	736578-06-6	736578-07-7
	736578-08-8	736578-09-9	736578-10-2	736578-11-3	736578-12-4
	736578-13-5	736578-14-6	736578-15-7	736578-16-8	736578-17-9

736578-18-0	736578-19-1	736578-20-4	736578-21-5	736578-22-6
736578-23-7	736578-24-8	736578-25-9	736578-26-0	736578-27-1
736578-28-2	736578-29-3	736578-30-6	736578-31-7	736578-32-8
736578-33-9	736578-34-0	736578-35-1	736578-36-2	736578-37-3
736578-38-4	736578-39-5	736578-40-8	736578-41-9	736578-42-0
736578-43-1	736578-44-2	736578-45-3	736578-46-4	736578-47-5
736578-48-6	736578-49-7	736578-50-0	736578-51-1	736578-52-2
736578-53-3	736578-54-4	736578-55-5	736578-56-6	736578-57-7
736578-58-8	736578-59-9	736578-60-2	736578-61-3	736578-62-4
736578-63-5	736578-64-6	736578-65-7	736578-66-8	736578-67-9
736578-68-0	736578-69-1	736578-70-4	736578-71-5	736578-72-6
736578-73-7	736578-74-8	736578-75-9	736578-76-0	736578-77-1
736578-78-2	736578-79-3	736578-80-6	736578-81-7	736578-82-8
736578-83-9	736578-84-0	736578-85-1	736578-86-2	736578-87-3
736578-88-4	736578-89-5	736578-90-8	736578-91-9	736578-92-0
736578-93-1	736578-94-2	736578-95-3	736578-96-4	736578-97-5
736578-98-6	736578-99-7	736579-00-3	736579-01-4	736579-02-5
736579-03-6	736579-04-7	736579-05-8	736579-06-9	736579-07-0
736579-08-1	736579-09-2	736579-10-5	736579-11-6	736579-12-7
736579-13-8	736579-14-9	736579-15-0	736579-16-1	736579-17-2
736579-18-3	736579-19-4	736579-20-7	736579-21-8	736579-22-9
736579-23-0	736579-24-1	736579-25-2	736579-26-3	736579-27-4
736579-28-5	736579-29-6	736579-30-9	736579-31-0	736579-32-1
736579-33-2	736579-34-3	736579-35-4	736579-36-5	736579-37-6
736579-38-7	736579-39-8	736579-40-1	736579-41-2	736579-42-3
736579-43-4	736579-44-5	736579-45-6	736579-46-7	736579-47-8
736579-48-9	736579-49-0	736579-50-3	736579-51-4	736579-52-5
736579-53-6	736579-54-7	736579-55-8	736579-56-9	736579-57-0
736579-58-1	736579-59-2	736579-60-5	736579-61-6	736579-62-7
736579-63-8	736579-64-9	736579-65-0	736579-66-1	736579-67-2
736579-68-3	736579-69-4	736579-70-7	736579-71-8	736579-72-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736579-73-0	736579-74-1	736579-75-2	736579-76-3	736579-77-4
	736579-78-5	736579-79-6	736579-80-9	736579-81-0	736579-82-1
	736579-83-2	736579-84-3	736579-85-4	736579-86-5	736579-87-6
	736579-88-7	736579-89-8	736579-90-1	736579-91-2	736579-92-3
	736579-93-4	736579-94-5	736579-95-6	736579-96-7	736579-97-8
	736579-98-9	736579-99-0	736580-00-0	736580-01-1	736580-02-2
	736580-03-3	736580-04-4	736580-05-5	736580-06-6	736580-07-7
	736580-08-8	736580-09-9	736580-10-2	736580-11-3	736580-12-4
	736580-13-5	736580-14-6	736580-15-7	736580-16-8	736580-17-9
	736580-18-0	736580-19-1	736580-20-4	736580-21-5	736580-22-6
	736580-23-7	736580-24-8	736580-25-9	736580-26-0	736580-27-1
	736580-28-2	736580-29-3	736580-30-6	736580-31-7	736580-32-8
	736580-33-9	736580-34-0	736580-35-1	736580-36-2	736580-37-3
	736580-38-4	736580-39-5	736580-40-8	736580-41-9	736580-42-0
	736580-43-1	736580-44-2	736580-45-3	736580-46-4	736580-47-5
	736580-48-6	736580-49-7	736580-50-0	736580-51-1	736580-52-2
	736580-53-3	736580-54-4	736580-55-5	736580-56-6	736580-57-7
	736580-58-8	736580-59-9	736580-60-2	736580-61-3	736580-62-4
	736580-63-5	736580-64-6	736580-65-7	736580-66-8	736580-67-9
	736580-68-0	736580-69-1	736580-70-4	736580-71-5	736580-72-6
	736580-73-7	736580-74-8	736580-75-9	736580-76-0	736580-77-1
	736580-78-2	736580-79-3	736580-80-6	736580-81-7	736580-82-8
	736580-83-9	736580-84-0	736580-85-1	736580-86-2	736580-87-3
	736580-88-4	736580-89-5	736580-90-8	736580-91-9	736580-92-0
	736580-93-1	736580-94-2	736580-95-3	736580-96-4	736580-97-5
	736580-98-6	736580-99-7	736581-00-3	736581-01-4	736581-02-5
	736581-03-6	736581-04-7	736581-05-8	736581-06-9	736581-07-0
	736581-08-1	736581-09-2	736581-10-5	736581-11-6	736581-12-7
	736581-13-8	736581-14-9	736581-15-0	736581-16-1	736581-17-2
	736581-18-3	736581-19-4	736581-20-7	736581-21-8	736581-22-9
	736581-23-0	736581-24-1	736581-25-2	736581-26-3	736581-27-4

736581-28-5	736581-29-6	736581-30-9	736581-31-0	736581-32-1
736581-33-2	736581-34-3	736581-35-4	736581-36-5	736581-37-6
736581-38-7	736581-39-8	736581-40-1	736581-41-2	736581-42-3
736581-43-4	736581-44-5	736581-45-6	736581-46-7	736581-47-8
736581-48-9	736581-49-0	736581-50-3	736581-51-4	736581-52-5
736581-53-6	736581-54-7	736581-55-8	736581-56-9	736581-57-0
736581-58-1	736581-59-2	736581-60-5	736581-61-6	736581-62-7
736581-63-8	736581-64-9	736581-65-0	736581-66-1	736581-67-2
736581-68-3	736581-69-4	736581-70-7	736581-71-8	736581-72-9
736581-73-0	736581-74-1	736581-75-2	736581-76-3	736581-77-4
736581-78-5	736581-79-6	736581-80-9	736581-81-0	736581-82-1
736581-83-2	736581-84-3	736581-85-4	736581-86-5	736581-87-6
736581-88-7	736581-89-8	736581-90-1	736581-91-2	736581-92-3
736581-93-4	736581-94-5	736581-95-6	736581-96-7	736581-97-8
736581-98-9	736581-99-0	736582-00-6	736582-01-7	736582-02-8
736582-03-9	736582-04-0	736582-05-1	736582-06-2	736582-07-3

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736582-08-4	736582-09-5	736582-10-8	736582-11-9	736582-12-0
	736582-13-1	736582-14-2	736582-15-3	736582-16-4	736582-17-5
	736582-18-6	736582-19-7	736582-20-0	736582-21-1	736582-22-2
	736582-23-3	736582-24-4	736582-25-5	736582-26-6	736582-27-7
	736582-28-8	736582-29-9	736582-30-2	736582-31-3	736582-32-4
	736582-33-5	736582-34-6	736582-35-7	736582-36-8	736582-37-9
	736582-38-0	736582-39-1	736582-40-4	736582-41-5	736582-42-6
	736582-43-7	736582-44-8	736582-45-9	736582-46-0	736582-47-1
	736582-48-2	736582-49-3	736582-50-6	736582-51-7	736582-52-8
	736582-53-9	736582-54-0	736582-55-1	736582-56-2	736582-57-3
	736582-58-4	736582-59-5	736582-60-8	736582-61-9	736582-62-0
	736582-63-1	736582-64-2	736582-65-3	736582-66-4	736582-67-5
	736582-68-6	736582-69-7	736582-70-0	736582-71-1	736582-72-2
	736582-73-3	736582-74-4	736582-75-5	736582-76-6	736582-77-7
	736582-78-8	736582-79-9	736582-80-2	736582-81-3	736582-82-4
	736582-83-5	736582-84-6	736582-85-7	736582-86-8	736582-87-9
	736582-88-0	736582-89-1	736582-90-4	736582-91-5	736582-92-6
	736582-93-7	736582-94-8	736582-95-9	736582-96-0	736582-97-1
	736582-98-2	736582-99-3	736583-00-9	736583-01-0	736583-02-1
	736583-03-2	736583-04-3	736583-05-4	736583-06-5	736583-07-6
	736583-08-7	736583-09-8	736583-10-1	736583-11-2	736583-12-3
	736583-13-4	736583-14-5	736583-15-6	736583-16-7	736583-17-8
	736583-18-9	736583-19-0	736583-20-3	736583-21-4	736583-22-5
	736583-23-6	736583-24-7	736583-25-8	736583-26-9	736583-27-0
	736583-28-1	736583-29-2	736583-30-5	736583-31-6	736583-32-7
	736583-33-8	736583-34-9	736583-35-0	736583-36-1	736583-37-2
	736583-38-3	736583-39-4	736583-40-7	736583-41-8	736583-42-9
	736583-43-0	736583-44-1	736583-45-2	736583-46-3	736583-47-4
	736583-48-5	736583-49-6	736583-50-9	736583-51-0	736583-52-1
	736583-53-2	736583-54-3	736583-55-4	736583-56-5	736583-57-6
	736583-58-7	736583-59-8	736583-60-1	736583-61-2	736583-62-3
	736583-63-4	736583-64-5	736583-65-6	736583-66-7	736583-67-8
	736583-68-9	736583-69-0	736583-70-3	736583-71-4	736583-72-5
	736583-73-6	736583-74-7	736583-75-8	736583-76-9	736583-77-0
	736583-78-1	736583-79-2	736583-80-5	736583-81-6	736583-82-7
	736583-83-8	736583-84-9	736583-85-0	736583-86-1	736583-87-2
	736583-88-3	736583-89-4	736583-90-7	736583-91-8	736583-92-9
	736583-93-0	736583-94-1	736583-95-2	736583-96-3	736583-97-4
	736583-98-5	736583-99-6	736584-00-2	736584-01-3	736584-02-4
	736584-03-5	736584-04-6	736584-05-7	736584-06-8	736584-07-9
	736584-08-0	736584-09-1	736584-10-4	736584-11-5	736584-12-6
	736584-13-7	736584-14-8	736584-15-9	736584-16-0	736584-17-1
	736584-18-2	736584-19-3	736584-20-6	736584-21-7	736584-22-8
	736584-23-9	736584-24-0	736584-25-1	736584-26-2	736584-27-3
	736584-28-4	736584-29-5	736584-30-8	736584-31-9	736584-32-0
	736584-33-1	736584-34-2	736584-35-3	736584-36-4	736584-37-5

736584-38-6 736584-39-7 736584-40-0 736584-41-1 736584-42-2  
 RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	736584-43-3	736584-44-4	736584-45-5	736584-46-6	736584-47-7
	736584-48-8	736584-49-9	736584-50-2	736584-51-3	736584-52-4
	736584-53-5	736584-54-6	736584-55-7	736584-56-8	736584-57-9
	736584-58-0	736584-59-1	736584-60-4	736584-61-5	736584-62-6
	736584-63-7	736584-64-8	736584-65-9	736584-66-0	736584-67-1
	736584-68-2	736584-69-3	736584-70-6	736584-71-7	736584-72-8
	736584-73-9	736584-74-0	736584-75-1	736584-76-2	736584-77-3
	736584-78-4	736584-79-5	736584-80-8	736584-81-9	736584-82-0
	736584-83-1	736584-84-2	736584-85-3	736584-86-4	736584-87-5
	736584-88-6	736584-89-7	736584-90-0	736584-91-1	736584-92-2
	736584-93-3	736584-94-4	736584-95-5	736584-96-6	736584-97-7
	736584-98-8	736584-99-9	736585-00-5	736585-01-6	736585-02-7
	736585-03-8	736585-04-9	736585-05-0	736585-06-1	736585-07-2
	736585-08-3	736585-09-4	736585-10-7	736585-11-8	736585-12-9
	736585-13-0	736585-14-1	736585-15-2	736585-16-3	736585-17-4
	736585-18-5	736585-19-6	736585-20-9	736585-21-0	736585-22-1
	736585-23-2	736585-24-3	736585-25-4	736585-26-5	736585-27-6
	736585-28-7	736585-29-8	736585-30-1	736585-31-2	736585-32-3
	736585-33-4	736585-34-5	736585-35-6	736585-36-7	736585-37-8
	736585-38-9	736585-39-0	736585-40-3	736585-41-4	736585-42-5
	736585-43-6	736585-44-7	736585-45-8	736585-46-9	736585-47-0
	736585-48-1	736585-49-2	736585-50-5	736585-51-6	736585-52-7
	736585-53-8	736585-54-9	736585-55-0	736585-56-1	736585-57-2
	736585-58-3	736585-59-4	736585-60-7	736585-61-8	736585-62-9
	736585-63-0	736585-64-1	736585-65-2	736585-66-3	736585-67-4
	736585-68-5	736585-69-6	736585-70-9	736585-71-0	736585-72-1
	736585-73-2	736585-74-3	736585-75-4	736585-76-5	736585-77-6
	736585-78-7	736585-79-8	736585-80-1	736585-81-2	736585-82-3
	736585-83-4	736585-84-5	736585-85-6	736585-86-7	736585-87-8
	736585-88-9	736585-89-0	736585-90-3	736585-91-4	736585-92-5
	736585-93-6	736585-94-7	736585-95-8	736585-96-9	736585-97-0
	736585-98-1	736585-99-2	736586-00-8	736586-01-9	736586-02-0
	736586-03-1	736586-04-2	736586-05-3	736586-06-4	736586-07-5
	736586-08-6	736586-09-7	736586-10-0	736586-11-1	736586-12-2
	736586-13-3	736586-14-4	736586-15-5	736586-16-6	736586-17-7
	736586-18-8	736586-19-9	736586-20-2	736586-21-3	736586-22-4
	736586-23-5	736586-24-6	736586-25-7	736586-26-8	736586-27-9
	736586-28-0	736586-29-1	736586-30-4	736586-31-5	736586-32-6
	736586-33-7	736586-34-8	736586-35-9	736586-36-0	736586-37-1
	736586-38-2	736586-39-3	736586-40-6	736586-41-7	736586-42-8
	736586-43-9	736586-44-0	736586-45-1	736586-46-2	736586-47-3
	736586-48-4	736586-49-5	736586-50-8	736586-51-9	736586-52-0
	736586-53-1	736586-54-2	736586-55-3	736586-56-4	736586-57-5
	736586-58-6	736586-59-7	736586-60-0	736586-61-1	736586-62-2
	736586-63-3	736586-64-4	736586-65-5	736586-66-6	736586-67-7
	736586-68-8	736586-69-9	736586-70-2	736586-71-3	736586-72-4
	736586-73-5	736586-74-6	736586-75-7	736586-76-8	736586-77-9

RL: BSU (Biological study, unclassified); BUU (Biological use,  
 unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and  
 their uses for plant improvement)

IT	736586-78-0	736586-79-1	736586-80-4	736586-81-5	736586-82-6
	736586-83-7	736586-84-8	736586-85-9	736586-86-0	736586-87-1
	736586-88-2	736586-89-3	736586-90-6	736586-91-7	736586-92-8
	736586-93-9	736586-94-0	736586-95-1	736586-96-2	736586-97-3
	736586-98-4	736586-99-5	736587-00-1	736587-01-2	736587-02-3
	736587-03-4	736587-04-5	736587-05-6	736587-06-7	736587-07-8
	736587-08-9	736587-09-0	736587-10-3	736587-11-4	736587-12-5
	736587-13-6	736587-14-7	736587-15-8	736587-16-9	736587-17-0
	736587-18-1	736587-19-2	736587-20-5	736587-21-6	736587-22-7
	736587-23-8	736587-24-9	736587-25-0	736587-26-1	736587-27-2

736587-28-3	736587-29-4	736587-30-7	736587-31-8	736587-32-9
736587-33-0	736587-34-1	736587-35-2	736587-36-3	736587-37-4
736587-38-5	736587-39-6	736587-40-9	736587-41-0	736587-42-1
736587-43-2	736587-44-3	736587-45-4	736587-46-5	736587-47-6
736587-48-7	736587-49-8	736587-50-1	736587-51-2	736587-52-3
736587-53-4	736587-54-5	736587-55-6	736587-56-7	736587-57-8
736587-58-9	736587-59-0	736587-60-3	736587-61-4	736587-62-5
736587-63-6	736587-64-7	736587-65-8	736587-66-9	736587-67-0
736587-68-1	736587-69-2	736587-70-5	736587-71-6	736587-72-7
736587-73-8	736587-74-9	736587-75-0	736587-76-1	736587-77-2
736587-78-3	736587-79-4	736587-80-7	736587-81-8	736587-82-9
736587-83-0	736587-84-1	736587-85-2	736587-86-3	736587-87-4
736587-88-5	736587-89-6	736587-90-9	736587-91-0	736587-92-1
736587-93-2	736587-94-3	736587-95-4	736587-96-5	736587-97-6
736587-98-7	736587-99-8	736588-00-4	736588-01-5	736588-02-6
736588-03-7	736588-04-8	736588-05-9	736588-06-0	736588-07-1
736588-08-2	736588-09-3	736588-10-6	736588-11-7	736588-12-8
736588-13-9	736588-14-0	736588-15-1	736588-16-2	736588-17-3
736588-18-4	736588-19-5	736588-20-8	736588-21-9	736588-22-0
736588-23-1	736588-24-2	736588-25-3	736588-26-4	736588-27-5
736588-28-6	736588-29-7	736588-30-0	736588-31-1	736588-32-2
736588-33-3	736588-34-4	736588-35-5	736588-36-6	736588-37-7
736588-38-8	736588-39-9	736588-40-2	736588-41-3	736588-42-4
736588-43-5	736588-44-6	736588-45-7	736588-46-8	736588-47-9
736588-48-0	736588-49-1	736588-50-4	736588-51-5	736588-52-6
736588-53-7	736588-54-8	736588-55-9	736588-56-0	736588-57-1
736588-58-2	736588-59-3	736588-60-6	736588-61-7	736588-62-8
736588-63-9	736588-64-0	736588-65-1	736588-66-2	736588-67-3
736588-68-4	736588-69-5	736588-70-8	736588-71-9	736588-72-0
736588-73-1	736588-74-2	736588-75-3	736588-76-4	736588-77-5
736588-78-6	736588-79-7	736588-80-0	736588-81-1	736588-82-2
736588-83-3	736588-84-4	736588-85-5	736588-86-6	736588-87-7
736588-88-8	736588-89-9	736588-90-2	736588-91-3	736588-92-4
736588-93-5	736588-94-6	736588-95-7	736588-96-8	736588-97-9
736588-98-0	736588-99-1	736589-00-7	736589-01-8	736589-02-9
736589-03-0	736589-04-1	736589-05-2	736589-06-3	736589-07-4
736589-08-5	736589-09-6	736589-10-9	736589-11-0	736589-12-1

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736589-13-2	736589-14-3	736589-15-4	736589-16-5	736589-17-6
	736589-18-7	736589-19-8	736589-20-1	736589-21-2	736589-22-3
	736589-23-4	736589-24-5	736589-25-6	736589-26-7	736589-27-8
	736589-28-9	736589-29-0	736589-30-3	736589-31-4	736589-32-5
	736589-33-6	736589-34-7	736589-35-8	736589-36-9	736589-37-0
	736589-38-1	736589-39-2	736589-40-5	736589-41-6	736589-42-7
	736589-43-8	736589-44-9	736589-45-0	736589-46-1	736589-47-2
	736589-48-3	736589-49-4	736589-50-7	736589-51-8	736589-52-9
	736589-53-0	736589-54-1	736589-55-2	736589-56-3	736589-57-4
	736589-58-5	736589-59-6	736589-60-9	736589-61-0	736589-62-1
	736589-63-2	736589-64-3	736589-65-4	736589-66-5	736589-67-6
	736589-68-7	736589-69-8	736589-70-1	736589-71-2	736589-72-3
	736589-73-4	736589-74-5	736589-75-6	736589-76-7	736589-77-8
	736589-78-9	736589-79-0	736589-80-3	736589-81-4	736589-82-5
	736589-83-6	736589-84-7	736589-85-8	736589-86-9	736589-87-0
	736589-88-1	736589-89-2	736589-90-5	736589-91-6	736589-92-7
	736589-93-8	736589-94-9	736589-95-0	736589-96-1	736589-97-2
	736589-98-3	736589-99-4	736590-00-4	736590-01-5	736590-02-6
	736590-03-7	736590-04-8	736590-05-9	736590-06-0	736590-07-1
	736590-08-2	736590-09-3	736590-10-6	736590-11-7	736590-12-8
	736590-13-9	736590-14-0	736590-15-1	736590-16-2	736590-17-3
	736590-18-4	736590-19-5	736590-20-8	736590-21-9	736590-22-0
	736590-23-1	736590-24-2	736590-25-3	736590-26-4	736590-27-5
	736590-28-6	736590-29-7	736590-30-0	736590-31-1	736590-32-2
	736590-33-3	736590-34-4	736590-35-5	736590-36-6	736590-37-7

736590-38-8	736590-39-9	736590-40-2	736590-41-3	736590-42-4
736590-43-5	736590-44-6	736590-45-7	736590-46-8	736590-47-9
736590-48-0	736590-49-1	736590-50-4	736590-51-5	736590-52-6
736590-53-7	736590-54-8	736590-55-9	736590-56-0	736590-57-1
736590-58-2	736590-59-3	736590-60-6	736590-61-7	736590-62-8
736590-63-9	736590-64-0	736590-65-1	736590-66-2	736590-67-3
736590-68-4	736590-69-5	736590-70-8	736590-71-9	736590-72-0
736590-73-1	736590-74-2	736590-75-3	736590-76-4	736590-77-5
736590-78-6	736590-79-7	736590-80-0	736590-81-1	736590-82-2
736590-83-3	736590-84-4	736590-85-5	736590-86-6	736590-87-7
736590-88-8	736590-89-9	736590-90-2	736590-91-3	736590-92-4
736590-93-5	736590-94-6	736590-95-7	736590-96-8	736590-97-9
736590-98-0	736590-99-1	736591-00-7	736591-01-8	736591-02-9
736591-03-0	736591-04-1	736591-05-2	736591-06-3	736591-07-4
736591-08-5	736591-09-6	736591-10-9	736591-11-0	736591-12-1
736591-13-2	736591-14-3	736591-15-4	736591-16-5	736591-17-6
736591-18-7	736591-19-8	736591-20-1	736591-21-2	736591-22-3
736591-23-4	736591-24-5	736591-25-6	736591-26-7	736591-27-8
736591-28-9	736591-29-0	736591-30-3	736591-31-4	736591-32-5
736591-33-6	736591-34-7	736591-35-8	736591-36-9	736591-37-0
736591-38-1	736591-39-2	736591-40-5	736591-41-6	736591-42-7
736591-43-8	736591-44-9	736591-45-0	736591-46-1	736591-47-2

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT	736591-48-3	736591-49-4	736591-50-7	736591-51-8	736591-52-9
	736591-53-0	736591-54-1	736591-55-2	736591-56-3	736591-57-4
	736591-58-5	736591-59-6	736591-60-9	736591-61-0	736591-62-1
	736591-63-2	736591-64-3	736591-65-4	736591-66-5	736591-67-6
	736591-68-7	736591-69-8	736591-70-1	736591-71-2	736591-72-3
	736591-73-4	736591-74-5	736591-75-6	736591-76-7	736591-77-8
	736591-78-9	736591-79-0	736591-80-3	736591-81-4	736591-82-5
	736591-83-6	736591-84-7	736591-85-8	736591-86-9	736591-87-0
	736591-88-1	736591-89-2	736591-90-5	736591-91-6	736591-92-7
	736591-93-8	736591-94-9	736591-95-0	736591-96-1	736591-97-2
	736591-98-3	736591-99-4	736592-00-0	736592-01-1	736592-02-2
	736592-03-3	736592-04-4	736592-05-5	736592-06-6	

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 9005-53-2, Lignin, biological studies 11078-30-1, Galactomannan  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved production of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 7723-14-0, Phosphorus, biological studies 7727-37-9, Nitrogen, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(improved use and/or uptake of; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

IT 736563-64-7 736568-91-5  
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(amino acid sequence; rice nucleic acid mols. and encoded proteins and their uses for plant improvement)

RN 736563-64-7 HCAPLUS

CN Protein (Oryza sativa clone PAT\_MRT4530\_70308C.1.pep fragment) (9CI) (CA INDEX NAME)

SEQ 1 MVVEEAVVAA GNEMSLSNMV LGFYEEAELQ SSPPGDCAA AGDDDDGSD  
51 EGSGGAACKR AFWKEQQSQL YEALAKMSSA ESRIQADAAE AMRQMRAAAA  
101 GACSCASRGA AAAAGSGGC RSCTLRFLAE RLRDAGYN SA ICRSKWPRSP  
151 EIPSGEHSYV DVVAPTRSGK AVRVRVVEPSF RGEFEMARGG AGYRALVASL  
201 PEA FVGRADR LRGVVRVMCA AAKQCARESG MHMAPWRKQR YMEAKWLATP

251 ERVAPPGNAG GAGDAVAVGS PSSPLSPGMT NRQMQPKFRA SMLTLDFGGR  
301 TAVEVV

RN 736568-91-5 HCAPLUS  
CN Protein (Oryza sativa clone PAT\_MRT4530\_70789C.1.pep fragment) (9CI) (CA  
INDEX NAME)

SEQ 1 MEKWSRGLSC RAAICGIVVL LCATAFSCSL AAEFRKVKEK DMKLDGSLCS  
51 LPKSSAFELG VAAIAFLSVA QLVGTTAAAT TMCAASKRSK SSTTRRRAAS  
101 VAILVLSWVS FALAVVLLAT AASMNHGQRY GRGWMDGDCY VARNGVFGGA  
151 AALVVVTALL ILGLTSTTKS SSCATSAASA TTTIRLDAAA TDAEQASGRS  
201 KQ

=> b home  
FILE 'HOME' ENTERED AT 13:40:59 ON 16 AUG 2005

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